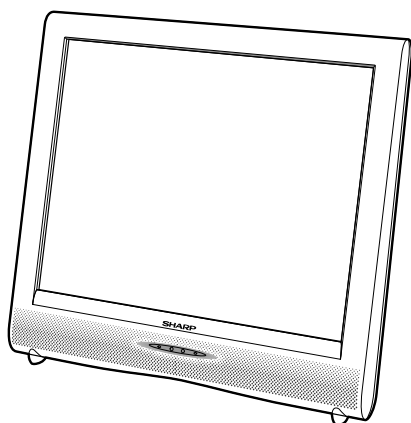


**SHARP****SERVICE MANUAL****LCD COLOUR TELEVISION****LC-13SH1E**  
**MODELS LC-15SH1E**

In the interests of user-safety (Required by safety regulations in some countries) the set should be re-stored to its original condition and only parts identical to those specified should be used.

**CONTENTS**

|                                             | Page |
|---------------------------------------------|------|
| • IMPORTANT SERVICE SAFETY PRECAUTION ..... | 2    |
| • SPECIFICATIONS .....                      | 4    |
| • OPERATION MANUAL .....                    | 5    |
| • DIMENSIONS .....                          | 7    |
| • REMOVING OF MAJOR PARTS .....             | 8    |
| • ADJUSTING PROCEDURE OF EACH SECTION ..... | 12   |
| • TROUBLE SHOOTING TABLE .....              | 21   |
| • CHASSIS LAYOUT .....                      | 26   |
| • BLOCK DIAGRAM .....                       | 28   |
| • OVERALL WIRING DIAGRAM .....              | 30   |
| • DESCRIPTION OF SCHEMATIC DIAGRAM .....    | 32   |
| • SCHEMATIC DIAGRAM .....                   | 33   |
| • PRINTED WIRING BOARD ASSEMBLIES .....     | 49   |
| • REPLACEMENT PARTS LIST .....              | 62   |
| • PACKING OF THE SET .....                  | 75   |

## IMPORTANT SERVICE SAFETY PRECAUTION

- **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

### WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

**CAUTION:** FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE F6700 (1.60A, 250V), F6702 (1.60A, 250V) AND F7701 (3.15A, 250V) FUSE.

### BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

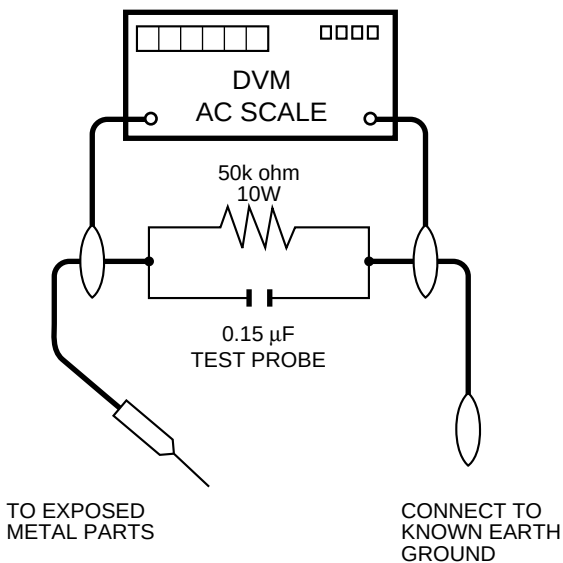
**Before returning the receiver to the user, perform the following safety checks:**

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
  - Plug the AC cord directly into a 220~240 volt AC outlet.
  - Using two clip leads, connect a 50k ohm, 10 watt resistor paralleled by a 0.15 $\mu$ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
  - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.75V peak (this corresponds to 0.5 mA. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



### SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠"

and shaded areas in the **Replacement Parts Lists and Schematic Diagrams.**

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

# Precautions for using lead-free solder

## 1 Employing lead-free solder

"MAIN PWB" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

**LF**a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

## 2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

## 3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

| Part No.      | ★ | Description        | Code |
|---------------|---|--------------------|------|
| ZHNDai123250E | J | φ0.3mm 250g(1roll) | BL   |
| ZHNDai126500E | J | φ0.6mm 500g(1roll) | BK   |
| ZHNDai12801KE | J | φ1.0mm 1kg(1roll)  | BM   |

# SPECIFICATIONS

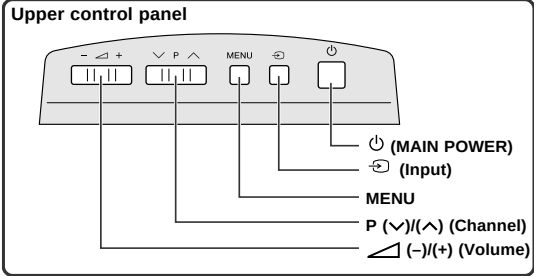
| Items               |                    | Model | LC-13SH1E                                                                                               | LC-15SH1E                                  |
|---------------------|--------------------|-------|---------------------------------------------------------------------------------------------------------|--------------------------------------------|
| LCD panel           |                    |       | 13" Advanced Super View<br>& BLACK TFT LCD                                                              | 15" Advanced Super View<br>& BLACK TFT LCD |
| Number of dots      |                    |       | 921,600 dots                                                                                            |                                            |
| Video colour system |                    |       | PAL/SECAM/NTSC                                                                                          |                                            |
| TV                  | TV-Standard (CCIR) |       | B/G, I, D/K, L/L'                                                                                       |                                            |
|                     | TV-Tuning System   |       | Auto preset 200 ch.                                                                                     |                                            |
|                     | STEREO/BILINGUAL   |       | NICAM, A2 stereo                                                                                        |                                            |
|                     | AUTO PRESET        |       | YES                                                                                                     |                                            |
|                     | CATV               |       | ~Hyper Band                                                                                             |                                            |
| Brightness          |                    |       | 430 cd/m <sup>2</sup>                                                                                   |                                            |
| Viewing angles      |                    |       | H: 170° V: 170°                                                                                         |                                            |
| Audio amplifier     |                    |       | 2.1 W × 2                                                                                               |                                            |
| Speakers            |                    |       | 7.5 cm × 3 cm 2 pcs.                                                                                    | 11 cm × 4 cm 2 pcs.                        |
| Terminals           | EXT1               |       | 21-pin Euro-SCART                                                                                       |                                            |
|                     | EXT2               |       | S-VIDEO, VIDEO, AUDIO                                                                                   |                                            |
|                     | OUT                |       | AUDIO                                                                                                   |                                            |
|                     | Antenna            |       | DIN                                                                                                     |                                            |
|                     | Headphones         |       | 3.5 mm ø jack (side)                                                                                    |                                            |
| OSD language        |                    |       | English/Spanish/German/French/Italian/Swedish/Dutch/Russian/Portuguese/<br>Turkish/Greek/Finnish/Polish |                                            |
| Power requirement   |                    |       | AC 220 V–240 V, 50/60 Hz                                                                                |                                            |
| Power consumption   |                    |       | 55 W (1.0 W Standby)<br>AC 220 V–240 V                                                                  | 59 W (1.0 W Standby)<br>AC 220 V–240 V     |
| Weight (approx.)    |                    |       | 3.6 kg, w/o accessories                                                                                 | 4.1 kg, w/o accessories                    |

■ As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

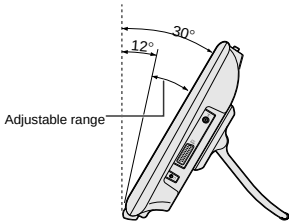
# Part Names of the Main Unit

The examples used throughout this manual are based on the LC-20SH1E model.

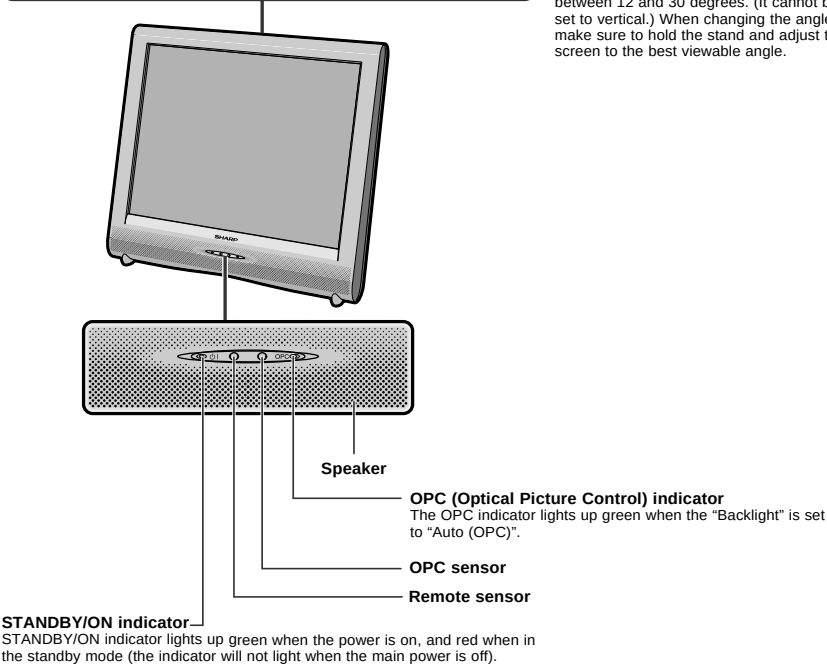
## Controls



## How to adjust the angle



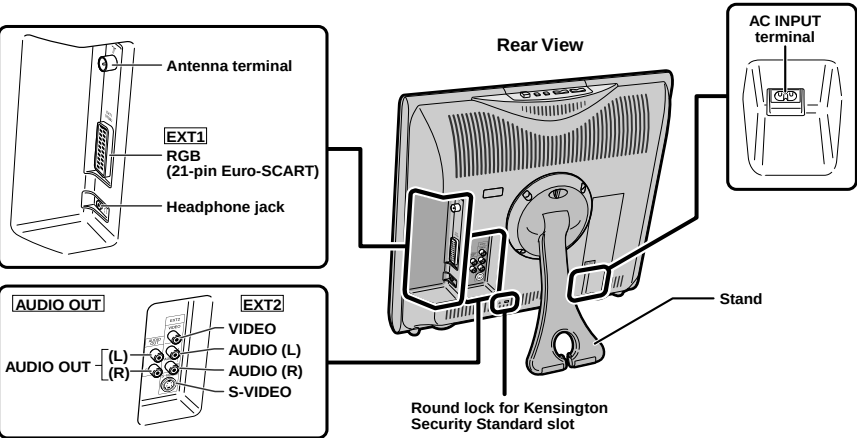
The screen angle can be tilted backwards between 12 and 30 degrees. (It cannot be set to vertical.) When changing the angle, make sure to hold the stand and adjust the screen to the best viewable angle.



## NOTE

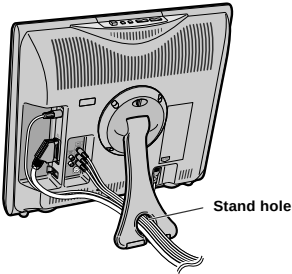
- (Input), P (Channel), (-)/(+) (Volume) and MENU on the control panel of the main unit have the same functions as the same buttons on the remote control. Fundamentally, this operation manual provides a description based on operation using the remote control.

## Terminals



## How to Fix the Cables

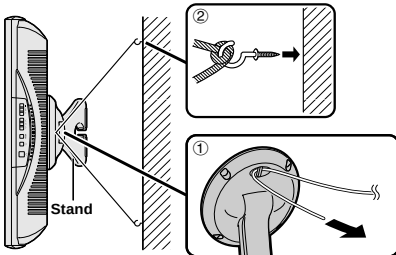
Pull the cables connected to each terminal. Insert the cables into the stand hole and fix the cables.



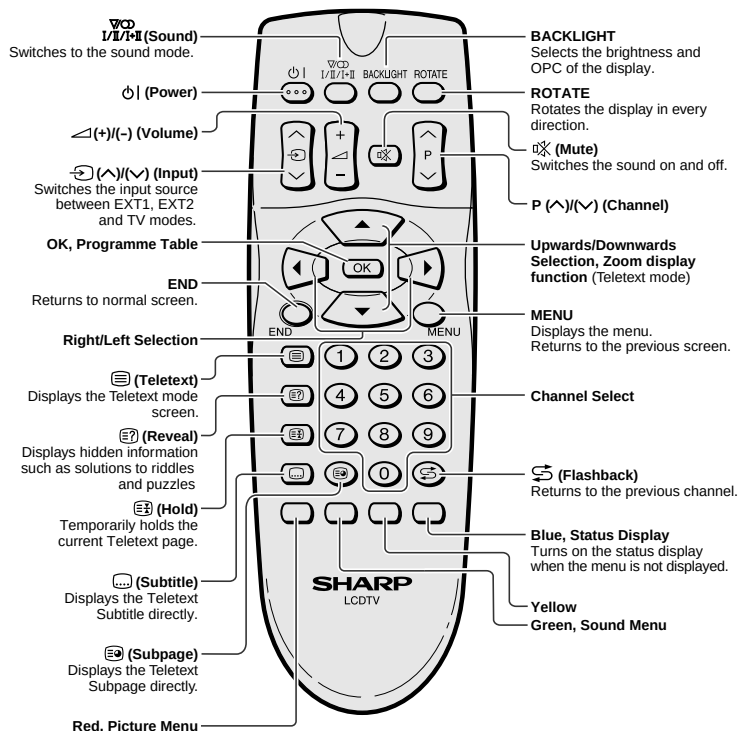
## How to Prevent the LCD TV Set from Falling Over

To prevent the LCD TV set from falling over in case of earthquakes and so on, strap it onto the wall by threading one end of the string through the loop of the stand (①) and fastening the LCD TV set with the string attached to the hook on the wall or the post, etc. (②). (An example of strapping the LCD TV set onto the wall is shown on the right.)

- The string and hook are commercially available.



## Part Names of the Remote Control



## Preparation

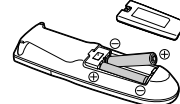
### Installing Batteries in the Remote Control

Before using the LCD TV set for the first time, install the two "AA" size batteries (supplied) in the remote control. When the batteries become depleted and the remote control fails to operate, replace the batteries with new "AA" size batteries.

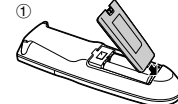
- 1 Open the battery cover.
- 2 Insert two "AA" size batteries.
- 3 Close the battery cover.



- Detach the cover while pressing the (▼) part.



- Place batteries with their terminals corresponding to the (+) and (-) indications in the battery compartment.



- Align the tab on the battery cover (①) and place it while pressing the tab (②) to close it.

#### Caution!

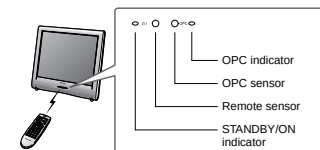
#### Precautions regarding batteries

Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.

- Place batteries with their terminals corresponding to the (+) and (-) indications.
- Different types of batteries have different characteristics. Do not mix batteries of different types.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.
- Remove batteries as soon as they are depleted. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe it off with a cloth.
- The batteries supplied with the LCD TV set may have a shorter operating time due to storage conditions.
- If the remote control is not to be used for an extended period of time, remove the batteries from the remote control.

### Using the Remote Control

Use the remote control by pointing it towards the remote sensor window of the main unit. Objects between the remote control and sensor window may prevent proper operation.



#### Cautions regarding use of the remote control

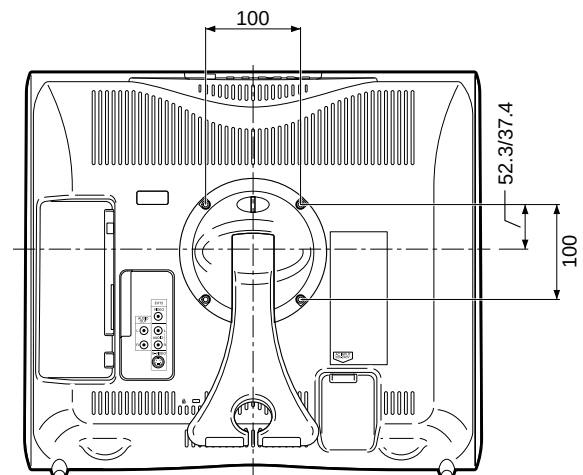
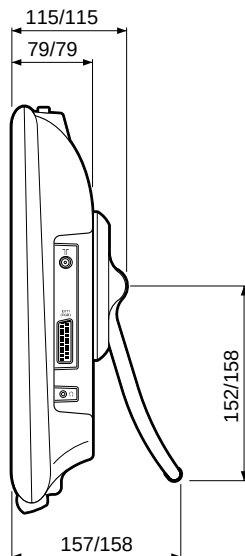
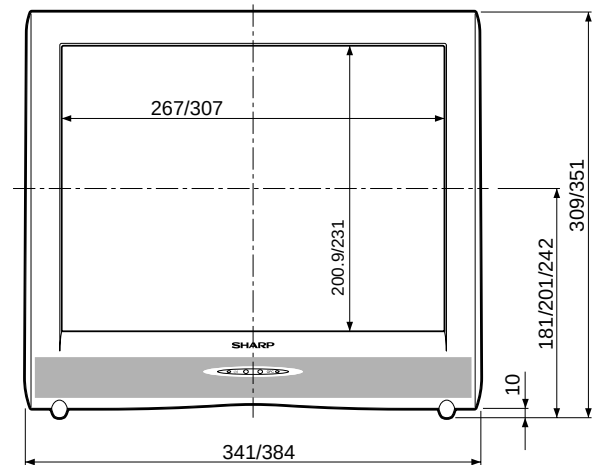
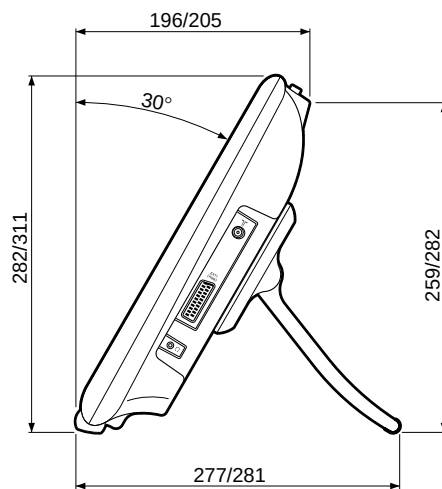
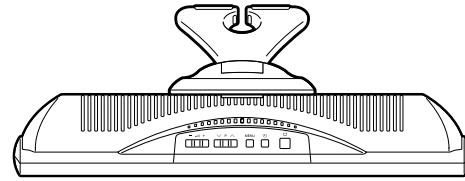
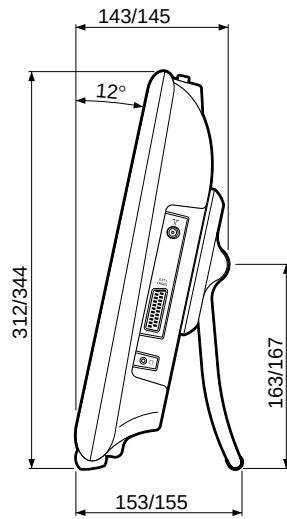
- Do not apply shock to the remote control. In addition, do not expose the remote control to liquids, and do not place it in an area with high humidity.
- Do not install or place the remote control under direct sunlight. The heat may cause deformation of the unit.
- The remote control may not work properly if the remote sensor window is under direct sunlight or strong lighting. In such a case, change the angle of the lighting or main unit, or operate the remote control closer to the remote sensor window.



# DIMENSIONS

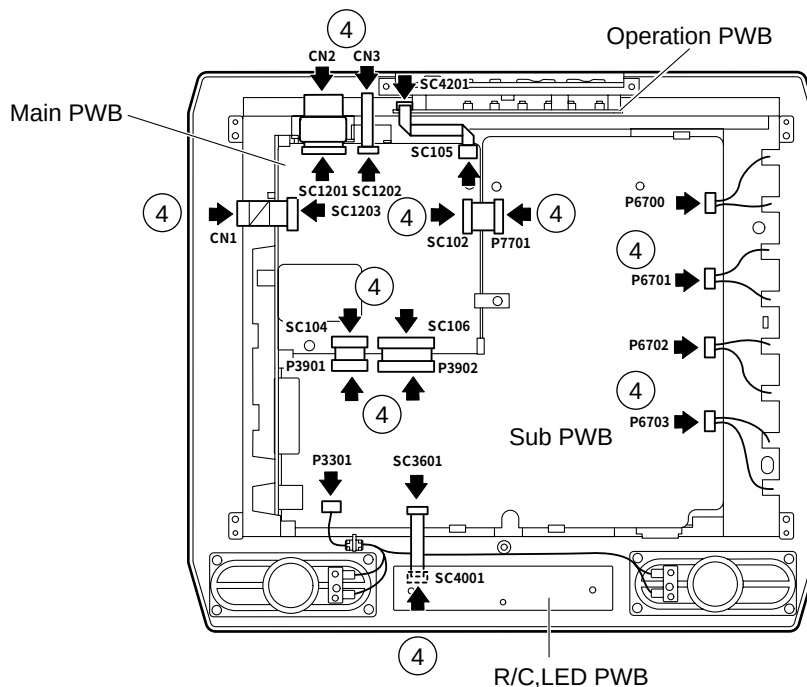
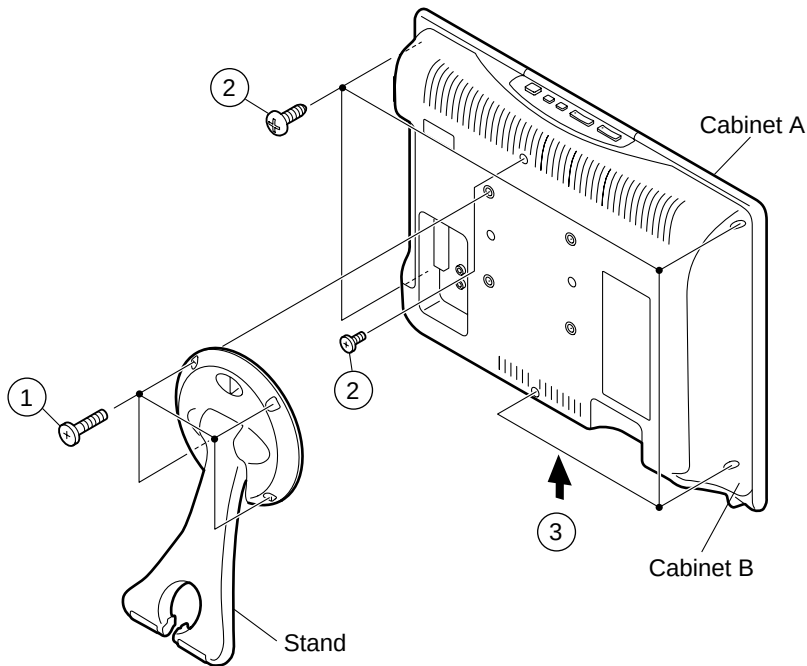
## ■ LC-13SH1E/LC-15SH1E

Unit: mm

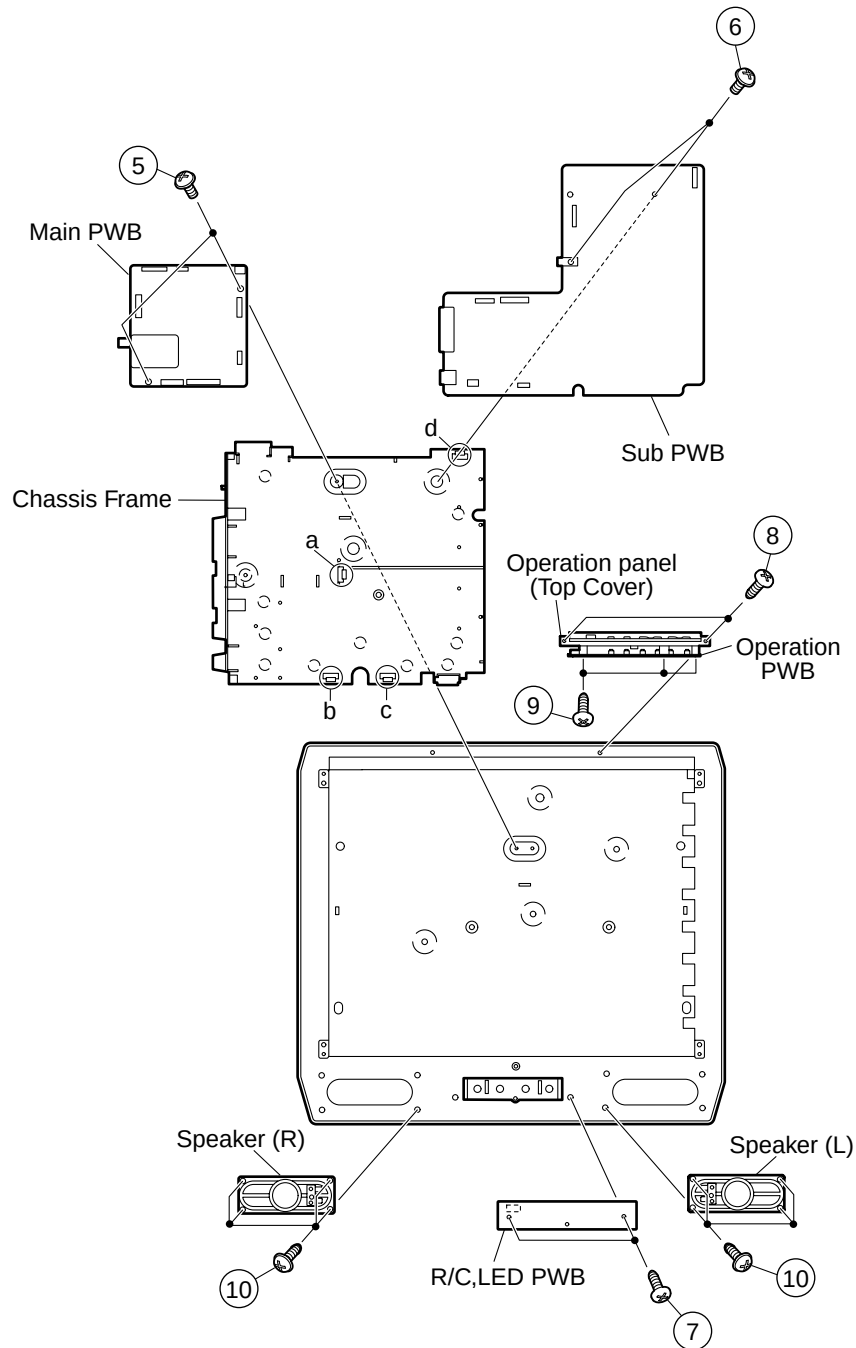


## REMOVING OF MAJOR PARTS

1. Remove the stand fixing screws (4 pcs.).
2. Remove the cabinet B fixing screws (6 pcs.).
3. Remove the cabinet B after opening from the direction of an arrow.
4. Detach the connector from each PWB.



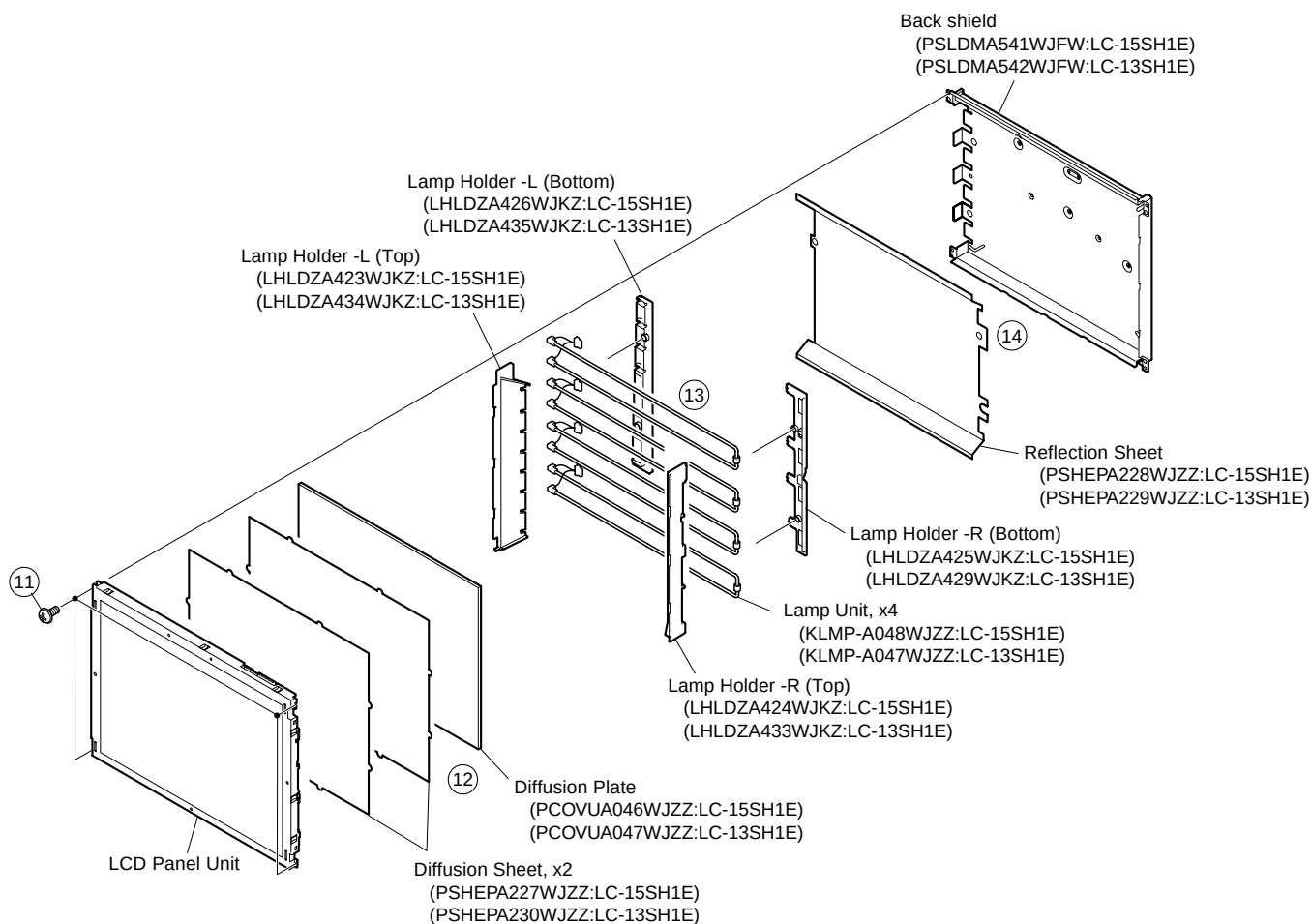
5. Remove the 2 lock screws from the main PWB and undo the hooks a. Detach the chassis frame, together with its terminals, from the main PWB.
6. Remove the 2 lock screws from the sub PWB and undo the hooks b, c and d. Detach the chassis frame together with its terminals, from the sub PWB.
7. Remove the 2 lock screws from the R/C, LED PWB and take out the R/C, LED PWB.
8. Remove the 2 lock screws from the operation panel (top cover), and detach the operation panel (top cover).
9. Remove the 3 lock screws from the operation PWB, and detach the operation PWB.
10. Remove the 4 lock screws each from the right and left speakers and take out both the speakers.



● Precautions in handling the LCD panels

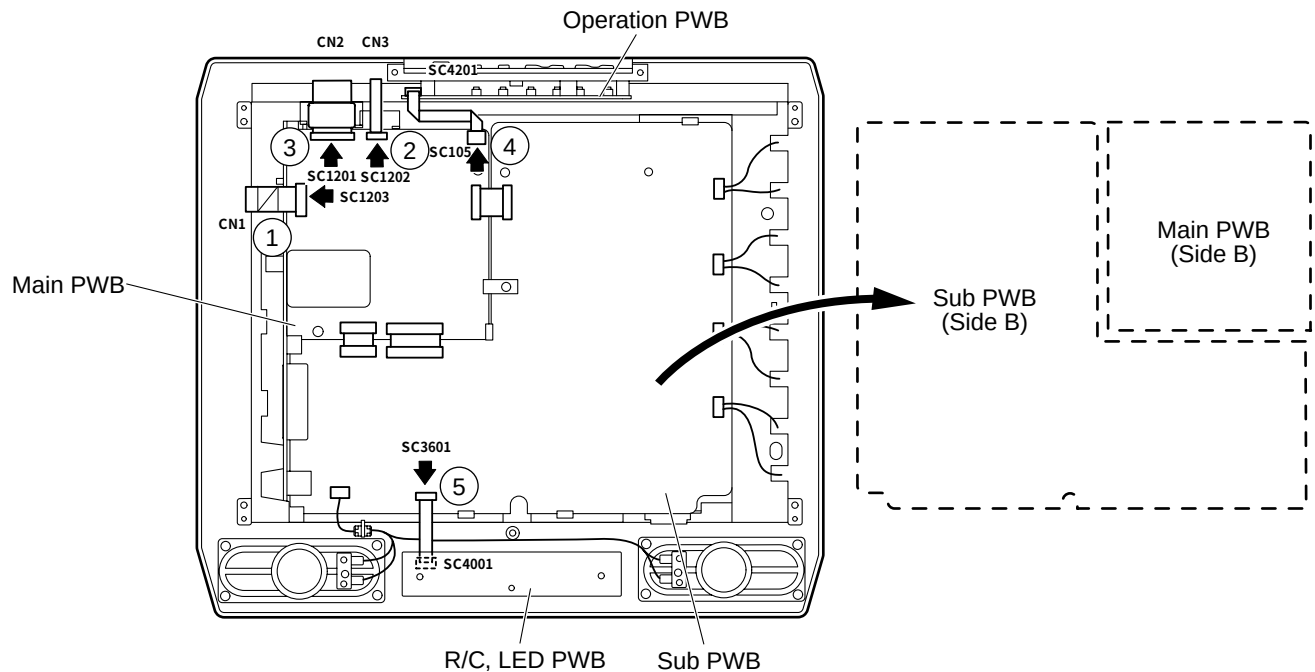
1. Work in a clean room (with humidities below 50%).
2. Be sure to wear an anti-static armband.
3. Handle the panels on an electro-conductive mat.
4. Be careful not to fall, shake and shock the panels.

11. Remove the 4 lock screws from the LCD panel and detach the LCD panel.
12. Remove the diffusion sheets and diffusion plate.
13. Detach the lamp holders -R (top), -L (top) and -R (bottom), -L (bottom) from the lamp unit.
14. Detach the reflection sheet from the back shield.



● **Precautions at the time of the side B(back) service of main and sub unit.**

1. Remove only SC1203 of the FFC for connection between Main unit (SC1203) and LCD panel, and connect the extended cable (QCNW-A553WJZZ) for service.
2. Remove only SC1202 of the FFC for connection between Main unit (SC1202) and LCD panel, and connect the extended cable (QCNW-B556WJZZ) for service.
3. Remove only SC1201 of the FFC for connection between Main unit (SC1201) and LCD panel, and connect the extended cable (QCNW-A555WJZZ) for service.
4. Remove only SC105 of the FFC for connection between Main unit (SC105) and Operation unit (SC4201), and connect the extended cable (QCNW-D444WJQZ) for service.
5. Remove only SC3601 of the FFC for connection between Sub unit (SC3601) and R/C, LED unit (SC4001), and connect the extended cable (QCNW-D445WJQZ) for service.
6. Remove the PWB unit fixing screws (main unit : 2pcs, sub unit : 2pcs., inverter unit : 3pcs.)



| Step | Part No.      | Description                                           |
|------|---------------|-------------------------------------------------------|
| 1    | QCNW-A553WJZZ | Extension Cable 30-pin Main (SC1203)-LCD Panel        |
| 2    | QCNW-A556WJZZ | Extension Cable 50-pin Main (SC1202)-LCD panel        |
| 3    | QCNW-A555WJZZ | Extension Cable 20-pin Main (SC1201)-LCD panel        |
| 4    | QCNW-D444WJQZ | Extension Cable 5-pin Operation (SC4201)-Main (SC105) |
| 5    | QCNW-D445WJQZ | Extension Cable 8-pin R/C, LED (SC4001)-Sub (SC3601)  |

# ADJUSTING PROCEDURE OF EACH SECTION

The best adjustment is made before shipping. If any position deviation is found or after part replacement is performed, adjust as follows.

## Preparation for adjustments

Use a stable AC power source.

LC-13/15SH1E AC Power : 230V

## 1. Adjusting procedure

Complete Set → Power ON → Enter Adjustment Process Mode → RF AGC adjustment → DCXO adjustment → Common Bias adjustment → White Balance adjustment

## 2. Entering the adjustment process mode

- After power on, press the adjustment process mode key on the service remote control.
  - Switching on the TV set, holding pushed the "Input" and "Volume (-)" Key at once, the TV set enters in the "K" mode.
- In this condition, pushing "Volume (-)" and "P (✓)" Key, the adjust mode appears.

## 3. Key operation in the adjustment process mode

- Use the "UP" or "DOWN" cursor key to select the adjustment mode item.
- Use the "LEFT" or "RIGHT" cursor key to change the data.

## 4. Initialization

When the EEPROM (IC101) has been replaced or when the EEPROM has been initialized, readjust the each adjust the each adjustments.

4-1. When the EEPROM has been replaced:

- 1) Plug in the AC cord to an AC power outlet and turn on the power.
- 2) When the setting is finished, the LED turns from red to green. In about 15 seconds, the initialization is completed.

4-2. When initializing the EEPROM data and making readjustments:

- 1) Enter the Adjustment Process mode.
- 2) Select the INIT TV item and press the "RIGHT" cursor key to enable the item.
- 3) Unplug the power cable and plug it again in the AC power outlet. Turn on the power.
- 4) When the setting is finished, the LED turns from red to green. In about 5 seconds, the initialization is completed.

<Note>

When the INIT TV item has been enabled in the adjustment process, be sure to unplug the power cable and plug it in again. Then start adjustments. Otherwise the readjusted data cannot be put in memory.

4-3. Setting the screen size (inches)

- 1) Enter the Adjustment Process mode.
- 2) Check the model number.
- 3) Hold down the "LEFT" or "RIGHT" cursor key longer than 2 seconds, and select the inch size (13):(LC-13SH1E) and (15):(LC-15SH1E).

|           |            |        |
|-----------|------------|--------|
| SH1E      | Main Ver   | * **   |
|           | Scaler Ver | * ** * |
| INCH SIZE |            | 15     |

## 5. Adjustment

### 5-1. RF AGC adjustment

- 1) Feed the colour bar signal.
- 2) In Adjustment Mode, select the RF AGC AUTO ("OFF") and press the " RIGHT" cursor key to start the adjustment.
- 3) Automatic adjustment is complete when it display "OK" is displayed.
- 4) RF AGC data will be in the range of 0-63. If "NOK" is displayed, adjustment failed.

|             |            |        |                                 |
|-------------|------------|--------|---------------------------------|
| SH1E        | Main Ver   | * **   |                                 |
|             | Scaler Ver | * ** * |                                 |
| RF AGC AUTO |            | OK     | RF AGC Auto adjustment complete |
|             |            | 38     | RF AGC data (Example)           |

### 5-2. DCXO adjustment

- 1) Feed the colour bar signal.
- 2) In Adjustment Mode, select the DCXO AUTO ("OFF") and press " RIGHT" cursor key to start the adjustment.
- 3) Automatic adjustment is complete when "OK" is displayed. If "NOK" is displayed, adjustment failed.

|           |            |        |                               |
|-----------|------------|--------|-------------------------------|
| SH1E      | Main Ver   | * **   |                               |
|           | Scaler Ver | * ** * |                               |
| DCXO AUTO |            | OK     | DCXO Auto adjustment complete |
|           |            | **     | DCXO data                     |

### 5-3. Common bias adjustment

- 1) Select the EXT-Video input and without signal.
- 2) In Adjustment Mode, select the COM BIAS and vary the data until the contrast becomes the sharpest.  
(Black looks most sinking.)

### 5-4. White balance adjustment

[A] White balance pre-adjustment

- 1) Feed the 100% white signal.
- 2) In Adjustment Mode, select the AWBSD ("OFF") and press the " RIGHT" cursor key to start the adjustment.
- 3) Automatic adjustment is complete when "OK" is displayed.

[B] White balance adjustment

Adjust "R CUTOFF2", "G CUTOFF2", "B CUTOFF2", "WB R GAIN", "WB G GAIN" and "WB B GAIN" in the adjustment processing to obtain the same colour as the standard set.

## 6. Factory setting

### 6-1. Make the factory setting using the adjustment remote control.

| Model         | Key Name           | Remote Control Code |      |      |     | OSD Language Setting |             |
|---------------|--------------------|---------------------|------|------|-----|----------------------|-------------|
| A3IK13/15SH1E | Shipment Setting 1 | 1000                | 0011 | 1111 | 110 | German               | (00001 FEh) |
| A3IK13/15SH1K | Shipment Setting 2 | 1000                | 0000 | 1010 | 110 | English              | (00002 A8h) |
| A3IK13/15SH1R | Shipment Setting 3 | 1000                | 0110 | 1011 | 110 | Russian              | (00003 EBh) |
| A3IK13/15SH1F | Shipment Setting 4 | 1000                | 0100 | 1011 | 110 | French               | (00004 E9h) |
| A3IK13/15SH1I | Shipment Setting 6 | 1000                | 0000 | 1011 | 110 | Italian              | (00005 E8h) |

### 6-2. Different factory settings.

| Model         | Language | Country | Color System | Sound System |
|---------------|----------|---------|--------------|--------------|
| A3IK13/15SH1E | German   | Germany | PAL          | B/G          |
| A3IK13/15SH1K | English  | UK      | PAL          | I            |
| A3IK13/15SH1R | Russian  | Russia  | SECAM        | D/K          |
| A3IK13/15SH1F | French   | France  | SECAM        | L/L'         |
| A3IK13/15SH1I | Italian  | Italy   | PAL          | B/G          |

## 7. Lamp error detection

### 7-1. Functional description

This LCD colour television has a function (lamp error detection) to be turned OFF automatically for safety when the lamp or lamp circuit is abnormal.

If the lamp or lamp circuit is abnormal, or some other errors happen, and the lamp error detection is executed, the followings occur.

- ① The main unit of television is turned OFF 5 seconds after it is turned ON. (The power LED on the front side of TV turns from green to red.)
- ② If the situation ① happens 5 times sequentially, television can not be turned ON. (The power LED remains red.)

### 7-2. Countermeasures

#### 7-2-1. Check when turning OFF the lamp error detection

If the power has been turned off 5 times because of lamp error, hold down the unit's "INPUT" and "Volume (-)" key simultaneously and turn on the unit's power switch. The TV set gets back on power in the "K" mode.

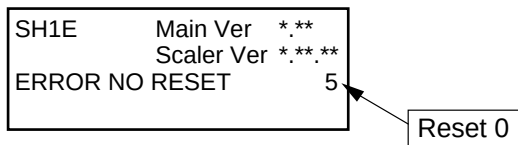
In this state, press the unit's "Volume (-)" and "P (✓)" key simultaneously. The Adjustment Process mode shows up.

This enables the operation check to detect errors in the lamp or lamp circuit.

Check whether "ERROR NO RESET" of the adjustment process is 1 or more. If it is 1 or more, it indicates the lamp error detection was executed.

#### 7-2-2. Resetting of the lamp error count

After confirming that the lamp or lamp circuit is normal, reset the lamp error count. Select "ERROR NO RESET" of the adjustment process and set the number to 0 using the "LEFT" or "RIGHT" cursor key.



Afterwards, perform the operation check to confirm that the lamp error detection does not function.

## 8. Hotel mode

8-1. How to enter the Hotel mode.

- 1) Turn on the power and enter the Adjustment Process mode.
- 2) Using the "UP" or "DOWN" cursor key on the remote controller, select the Hotel mode.
- 3) Using the "RIGHT" cursor key on the remote controller, change the setting from "0" to "1". Now the Hotel mode shows up.

Adjustment Process menu

|                           |                           |
|---------------------------|---------------------------|
| • <u>Hotel mode = "0"</u> | • <u>Hotel mode = "1"</u> |
| ↓                         | ↓                         |
| Hotel mode 0              | Hotel mode 1              |
| ↓                         | ↓                         |
| EXT CONTROL OFF           | Max. volume **            |
| ↓                         | ↓                         |
| ↓                         | On program ***            |
|                           | ↓                         |
|                           | EXT CONTROL OFF           |
|                           | ↓                         |
|                           | ↓                         |

- 4) Using the "UP" or "DOWN" cursor key on the remote controller, select "Max. volume" and "On program". Make the setting with the "LEFT" or "RIGHT" cursor key.
- 5) Finally quit the Adjustment Process mode and turn off the power. The TV set comes on in the Hotel mode after the next switch-on.

8-2. Hotel mode settings

- 1) Max. volume (0-60)  
You can set the maximum volume at your desired level.
- 2) On program (0-199)  
You can select a desired channel when switching on the TV set.

8-3. Canceling the Hotel mode

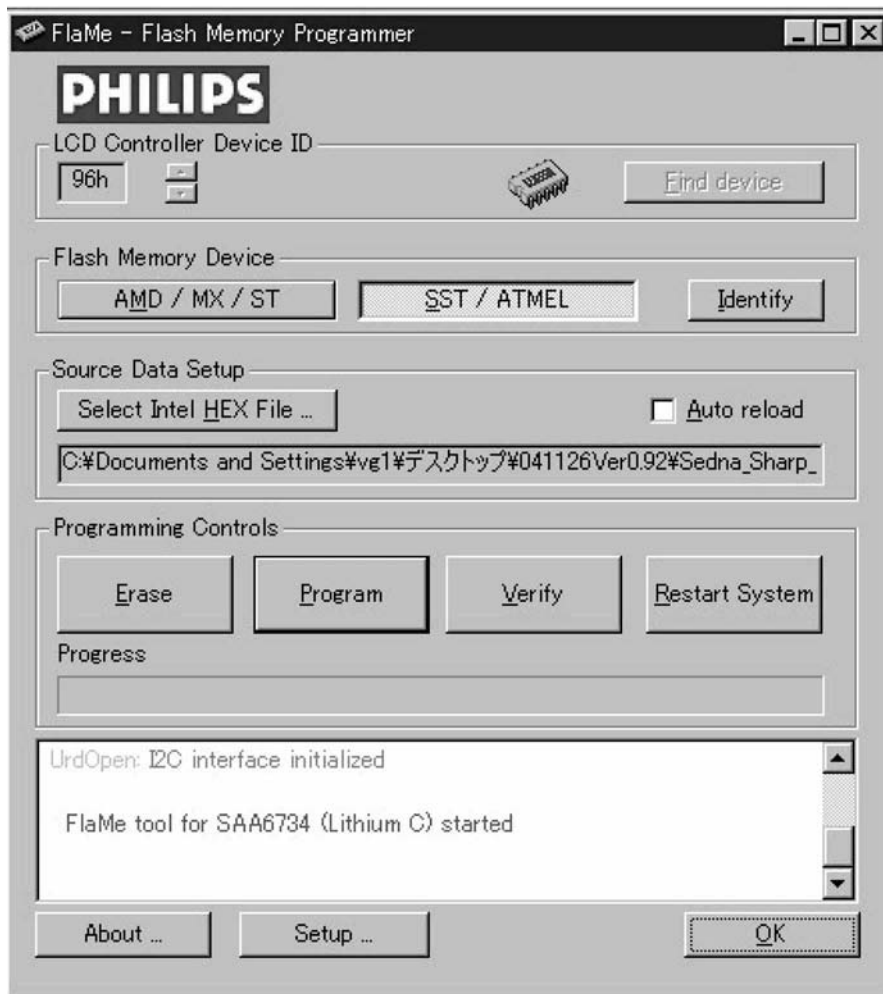
- 1) Turn on the power and enter the Adjustment Process mode.
- 2) Using the "UP" or "DOWN" cursor key, select the Hotel mode.
- 3) Using the "LEFT" cursor key, change the setting from "1" to "0".
- 4) Finally quit the Adjustment Process mode and turn off the power. The TV set comes on out of the Hotel mode after the next switch-on.

## 9. Software Loading

- 1) Upgrading the software or after replacement of IC151, IC501 or Main PWB, make sure to upload the processors with updated software.
- 2) Please use the dedicated Interface JIG (JIGINF-001) and supplied programs for upgrading the software.
- 3) This model employs two software;
  - SCALER microprocessor software
  - MAIN microprocessor software
 Please upload the SCALER microprocessor software first follow by MAIN microprocessor software.

### 1. SCALER microprocessor

- 1) Set Interface JIG switch to position "SCALER".
- 2) Power ON the set and plug Interface JIG connector to P2002.
- 3) Run the ISP\_Tool.exe program.



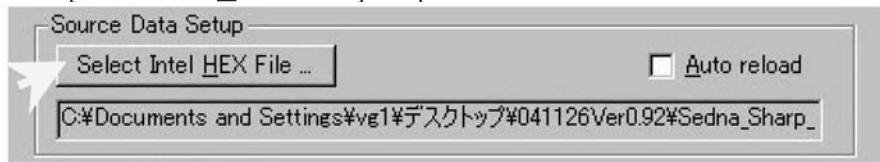
- 4) First click [SST / ATMEL] and then follow by [Identify] to identify the flash memory.



Confirm the item below in Comment Window.



- 5) Click [Select Intel HEX File ...] to open the source files. The source file name are "Sedna\_Sharp\*\*\*\*.hex"



Confirm the source file is loaded correctly.

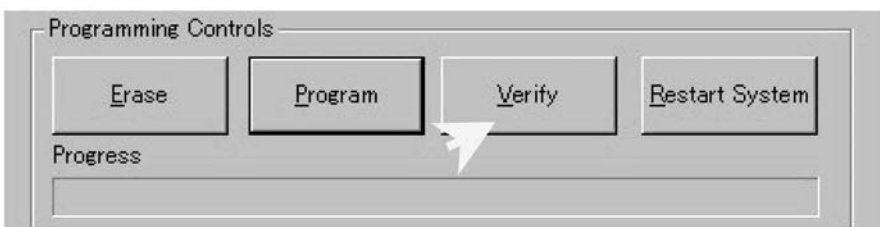
- 6) Next click the [Erase] to erase all the data in the flash memory. Confirm the erase process is complete without any error.



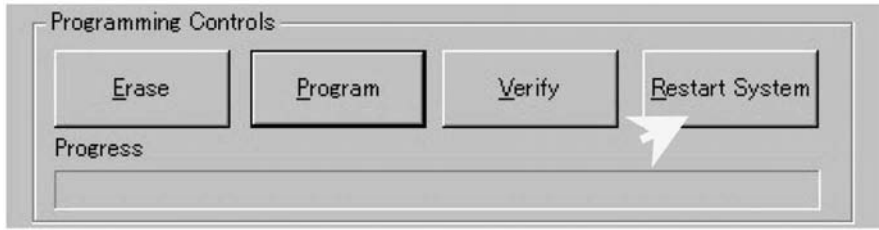
- 7) Then click [Program] to start uploading the source file into the flash memory. After uploading process is complete, confirm there are no error.



- 8) Click [Verify] to verify the uploaded data and confirm there are no error.



9) Finally click [Restart System] to initialize. Confirm "Reset done" in Comment Window.

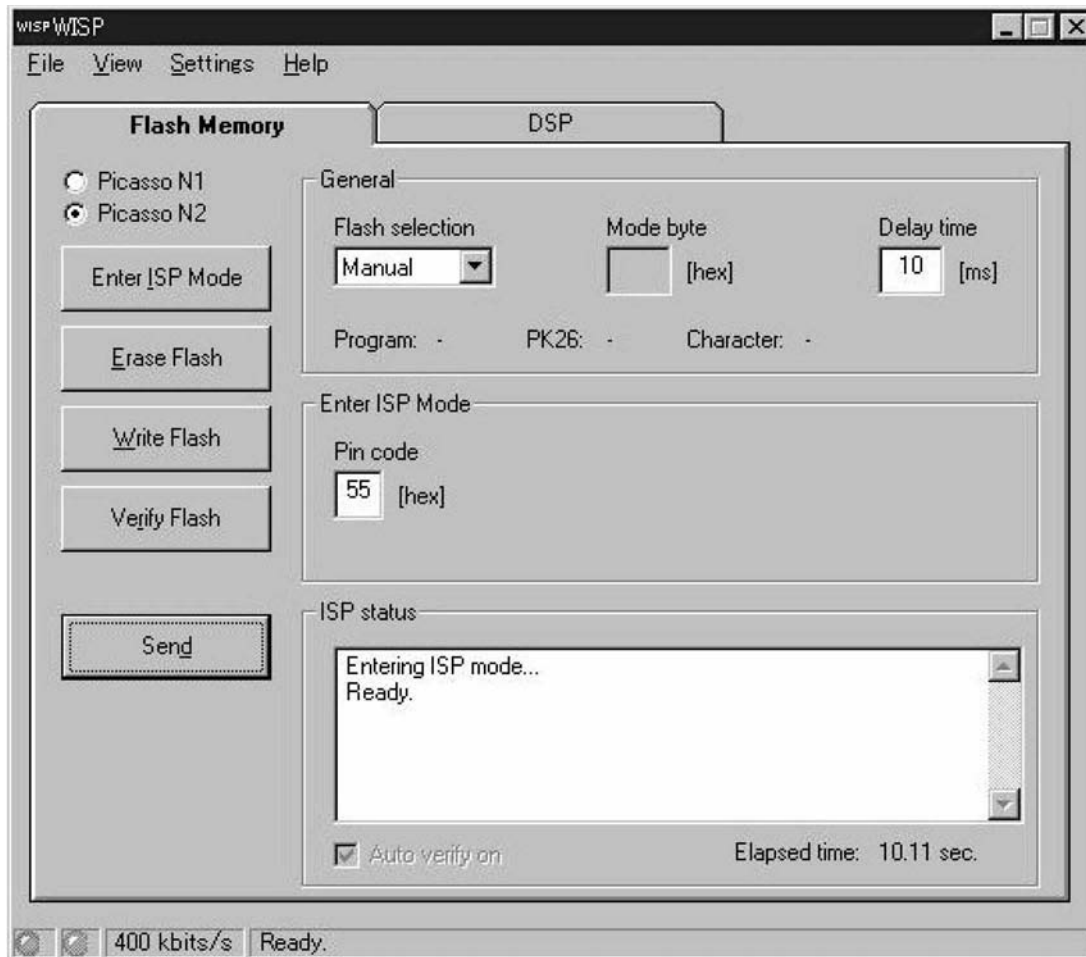


10) Power OFF the set by unplugging AC Cord, remove the JIG from the plug and wait for 1 minute before power ON again.

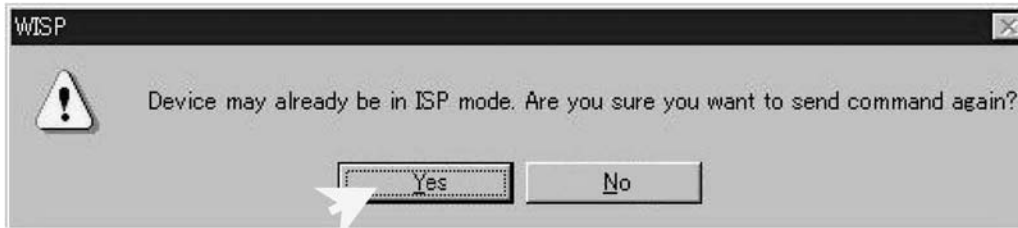
Notes: If any error occur during any process, power OFF the set and repeat the all the process again. If these still fail, please erase Main Software and repeat the whole process again. To erase Main software, please refer to MAIN microprocessor step No. 1) to 5) only.

## 2. MAIN microprocessor

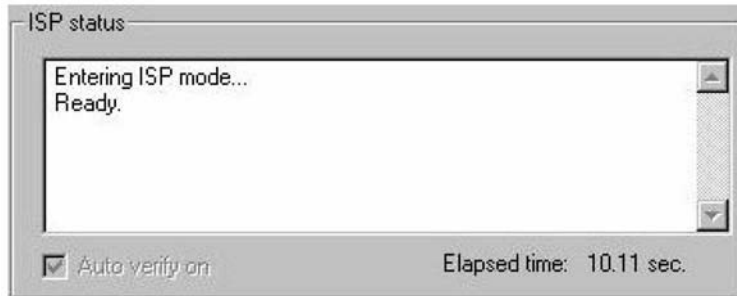
- 1) Set JIG switch to position "LOC".
- 2) Power ON the set and plug Interface JIG connector to P2002.
- 3) Run the WISP.exe program.



- 4) First click [Enter\_ISP Mode] then click [Send]. If the following window appear, click [Yes]

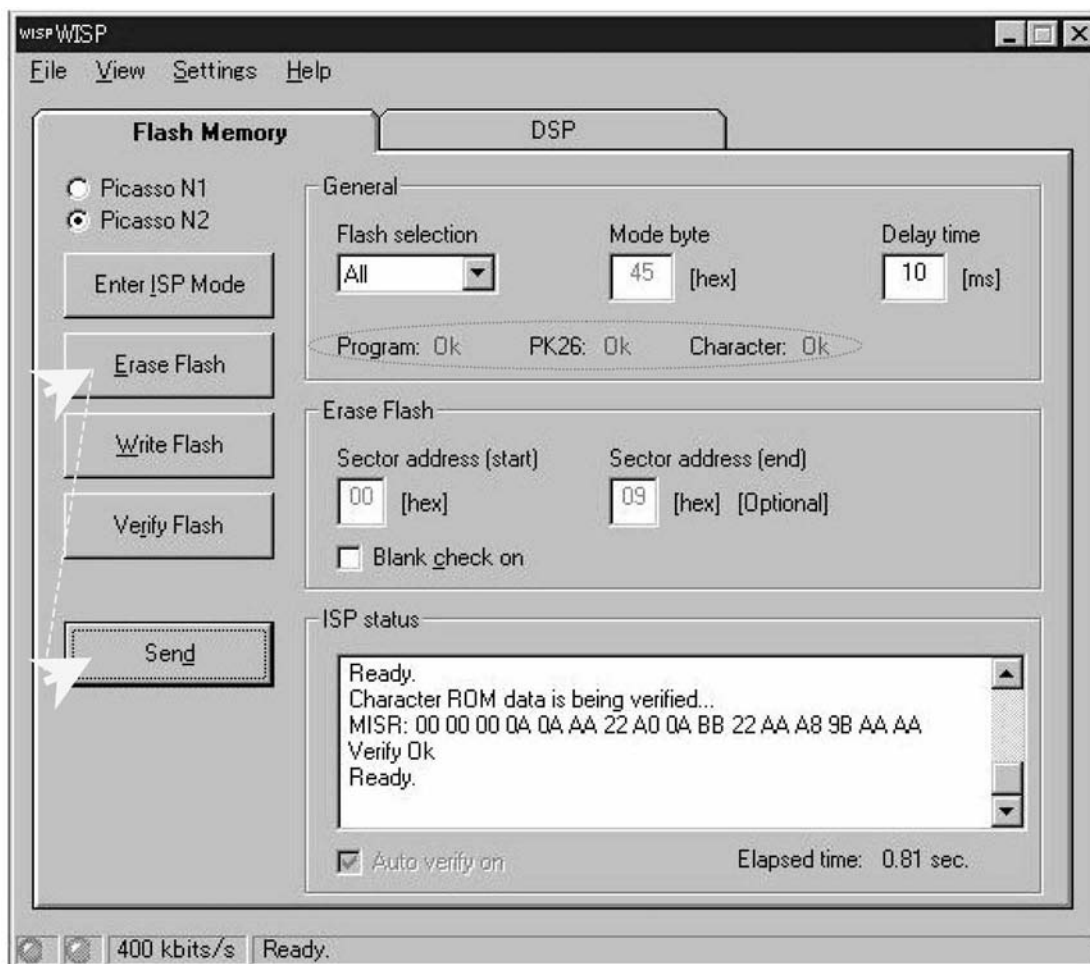


Confirm ISP status "Ready".



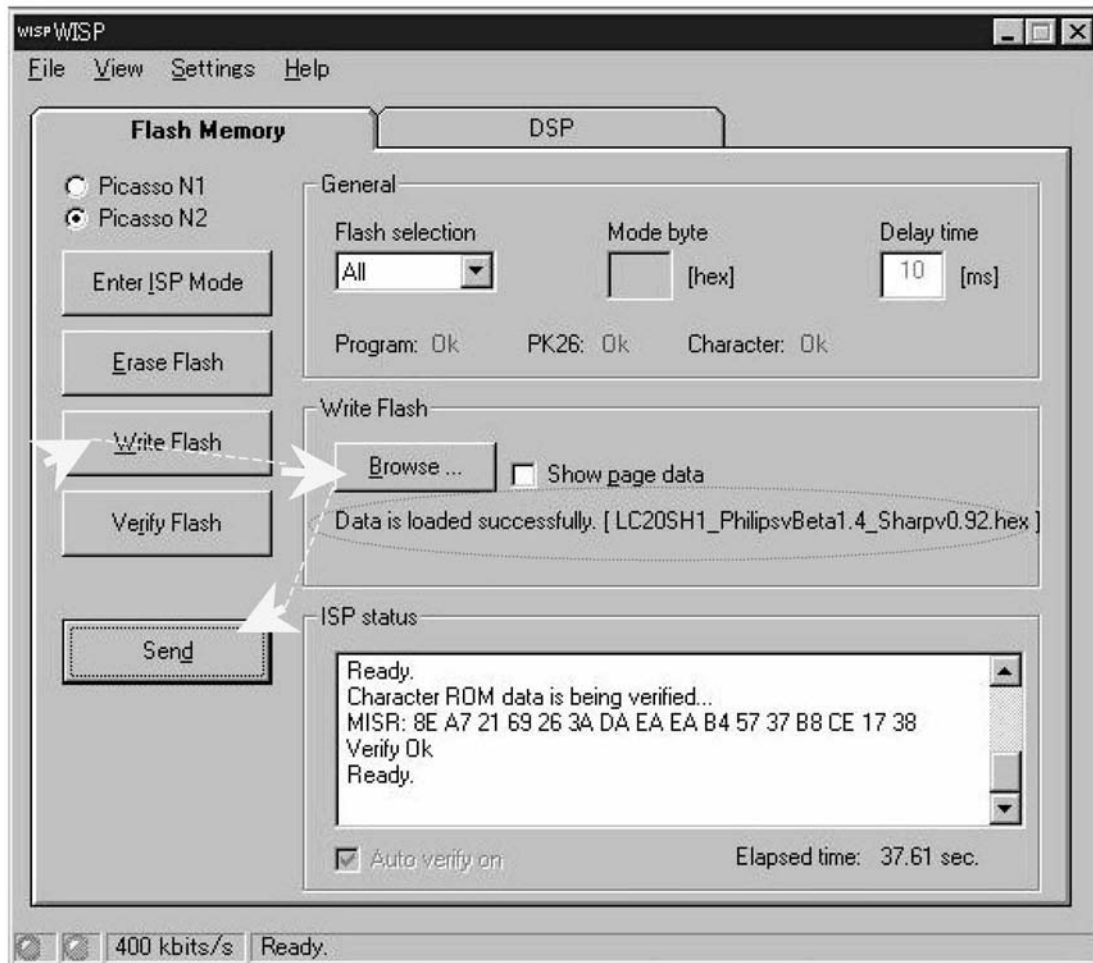
If "Entering ISP is not successful" occur, repeat step No. 4) again. If still fail, unplug the AC cord and repeat from step No. 2) again.

- 5) Then click [Erase Flash], follow by [Send]. Confirm the Program, PK26 & Character are all "OK" and ISP status is "Ready".



If "Failed" occur, unplug the AC cord and repeat the whole process again from beginning.

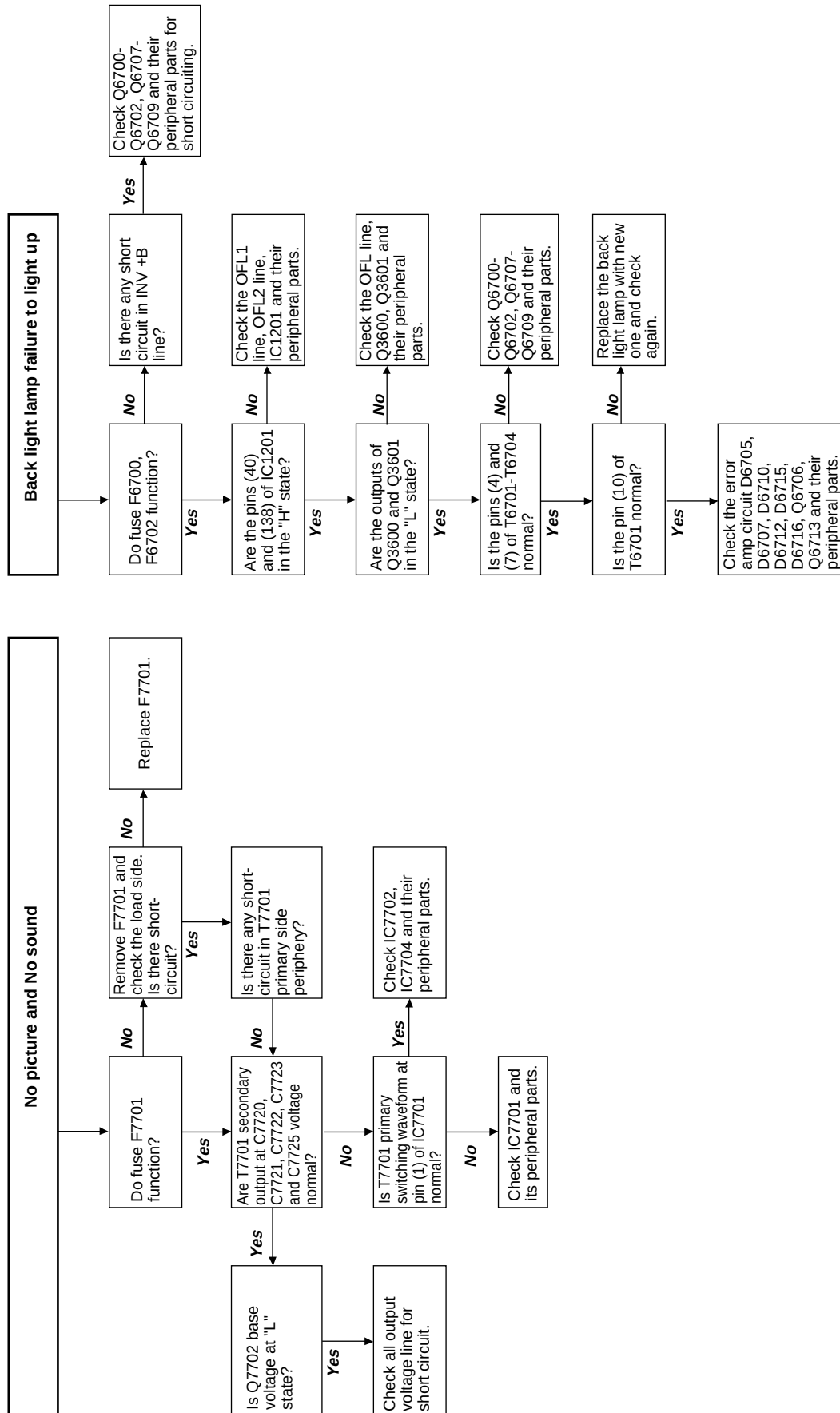
- 6) Next click [Write Flash] and load the source file by clicking [Browse]. The source file name are "LC20SH1\_\*\*\*\*.hex". Once the data is loaded successfully click [Send]. Confirm the Program, PK26 & Character are all "OK" and ISP status is "Ready".



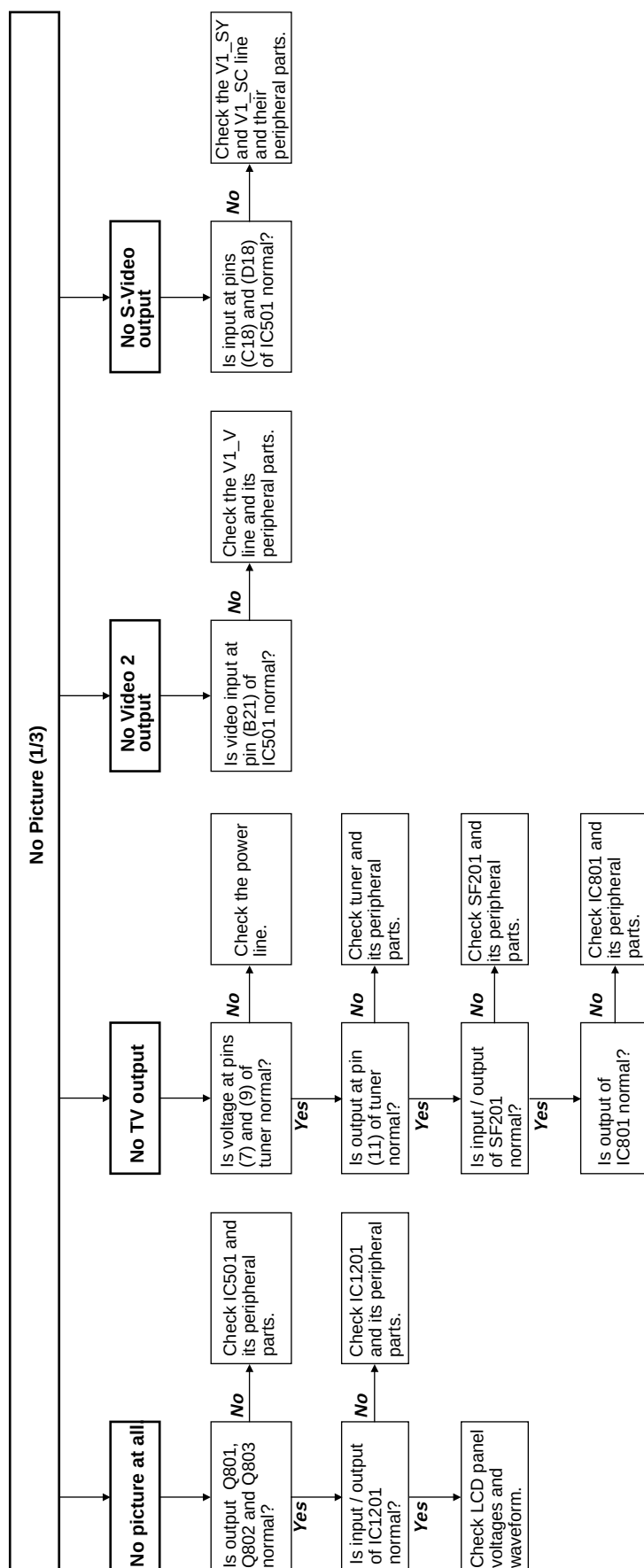
If "Failed" occur, unplug the AC cord and repeat the whole process again from beginning.

- 7) Finally click [Verify Flash] and [Send] to verify the flash memory. Confirm the Program, PK26 & Character are all "OK" and ISP status is "Ready". If "Failed" occur, unplug the AC cord and repeat the whole process again from beginning.
- 8) Power OFF the set and remove the JIG.

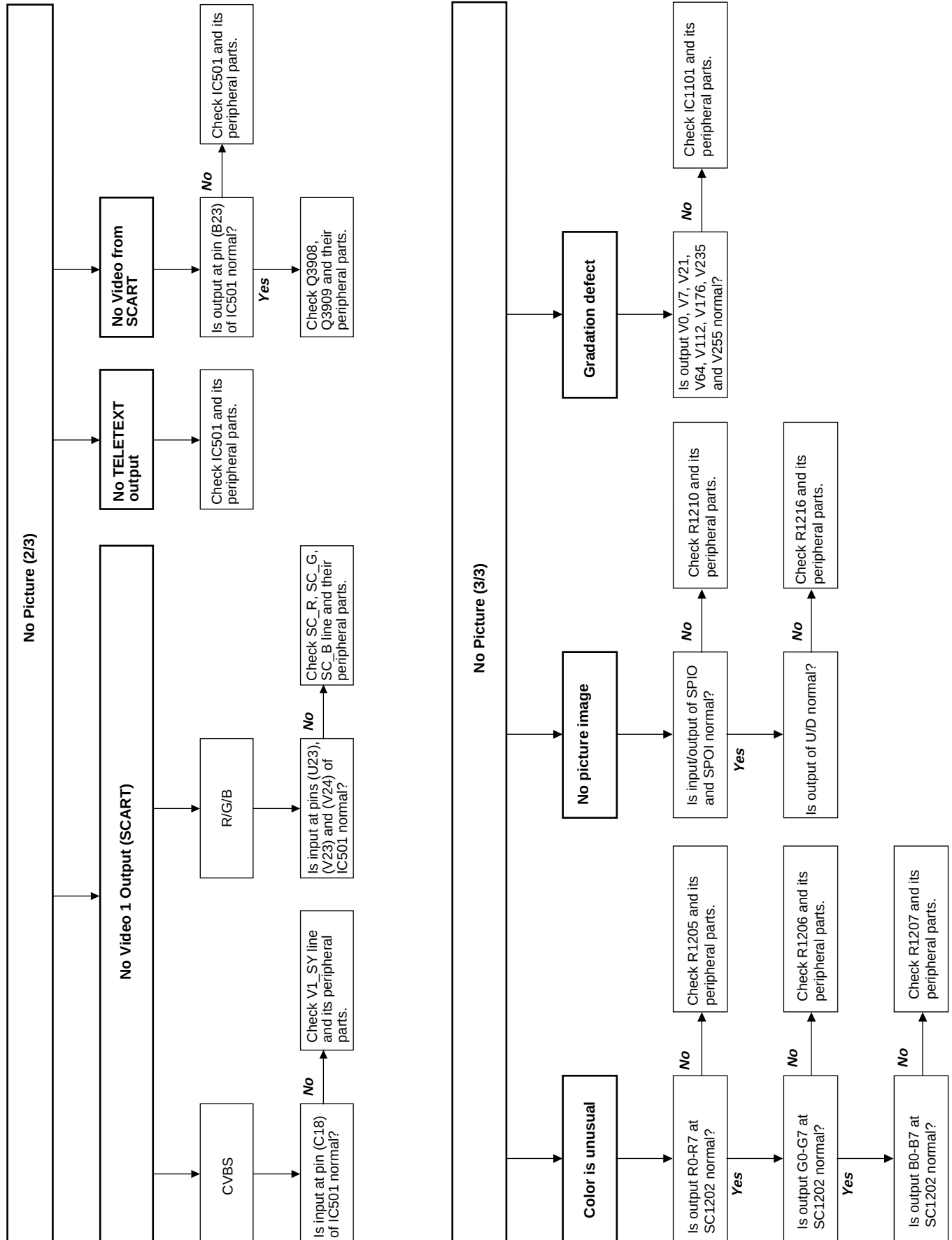
# TROUBLE SHOOTING TABLE



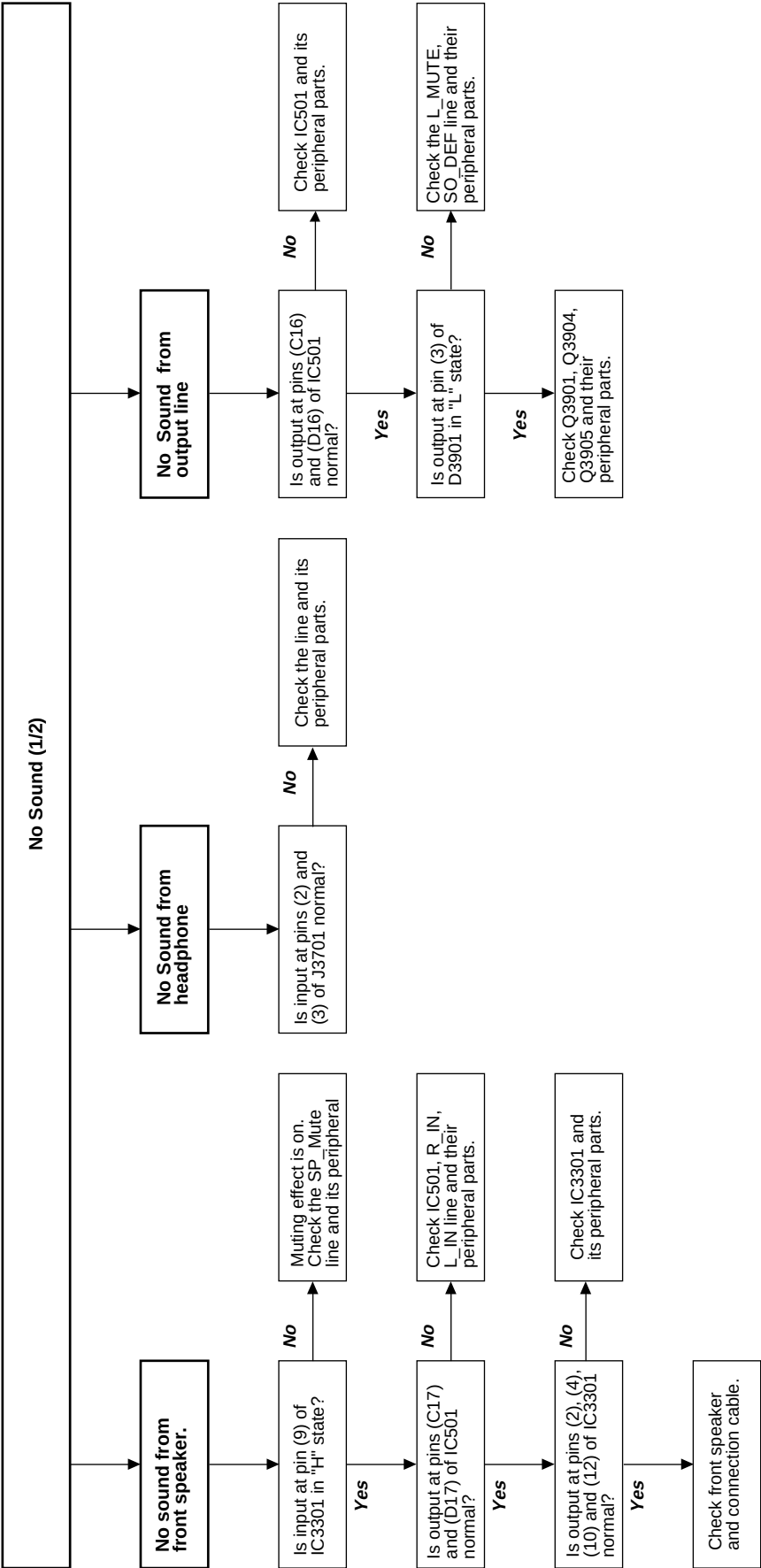
# TROUBLE SHOOTING TABLE (Continued)



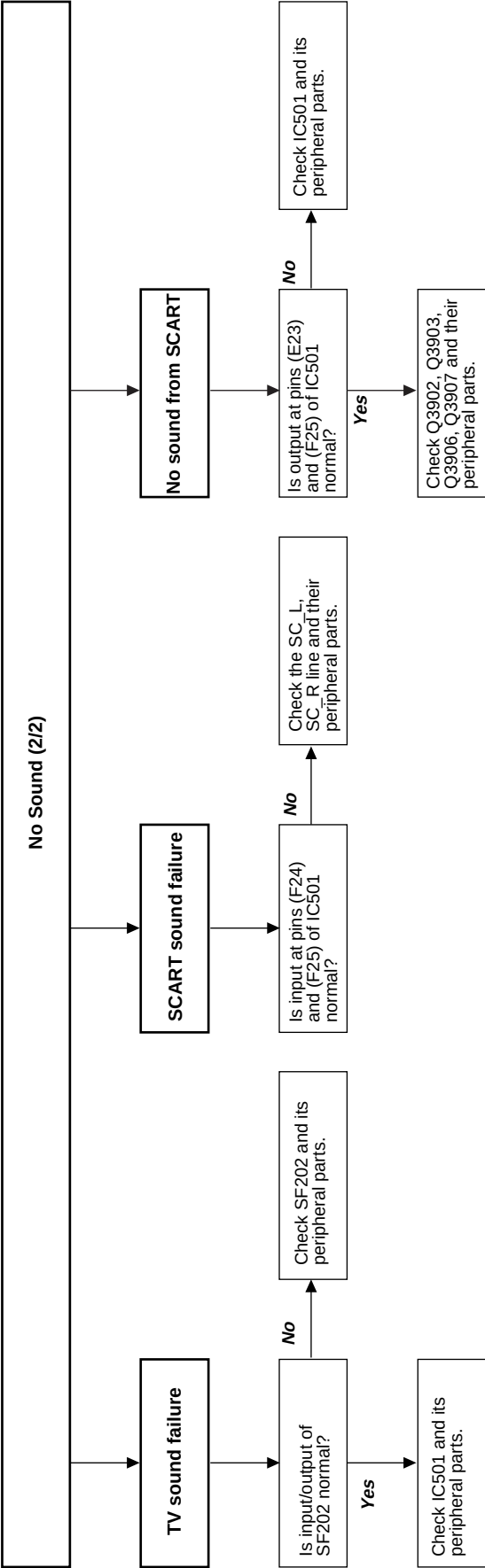
# TROUBLE SHOOTING TABLE (Continued)



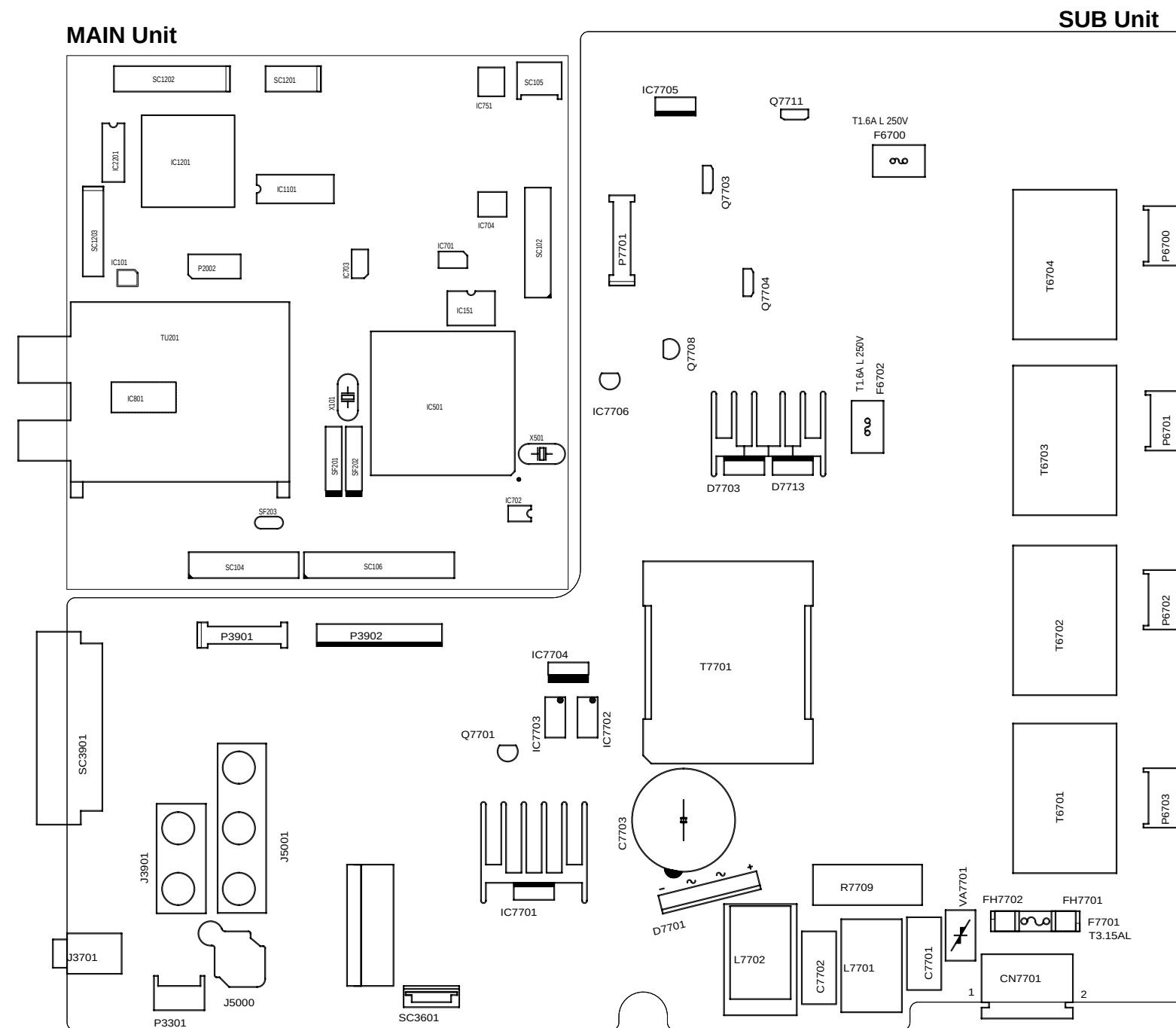
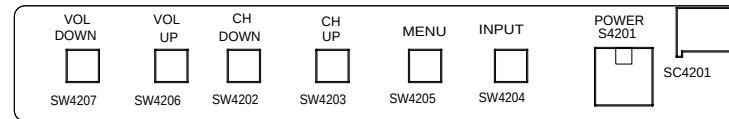
TROUBLE SHOOTING TABLE (Continued)



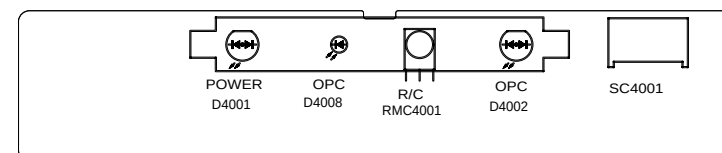
TROUBLE SHOOTING TABLE (Continued)



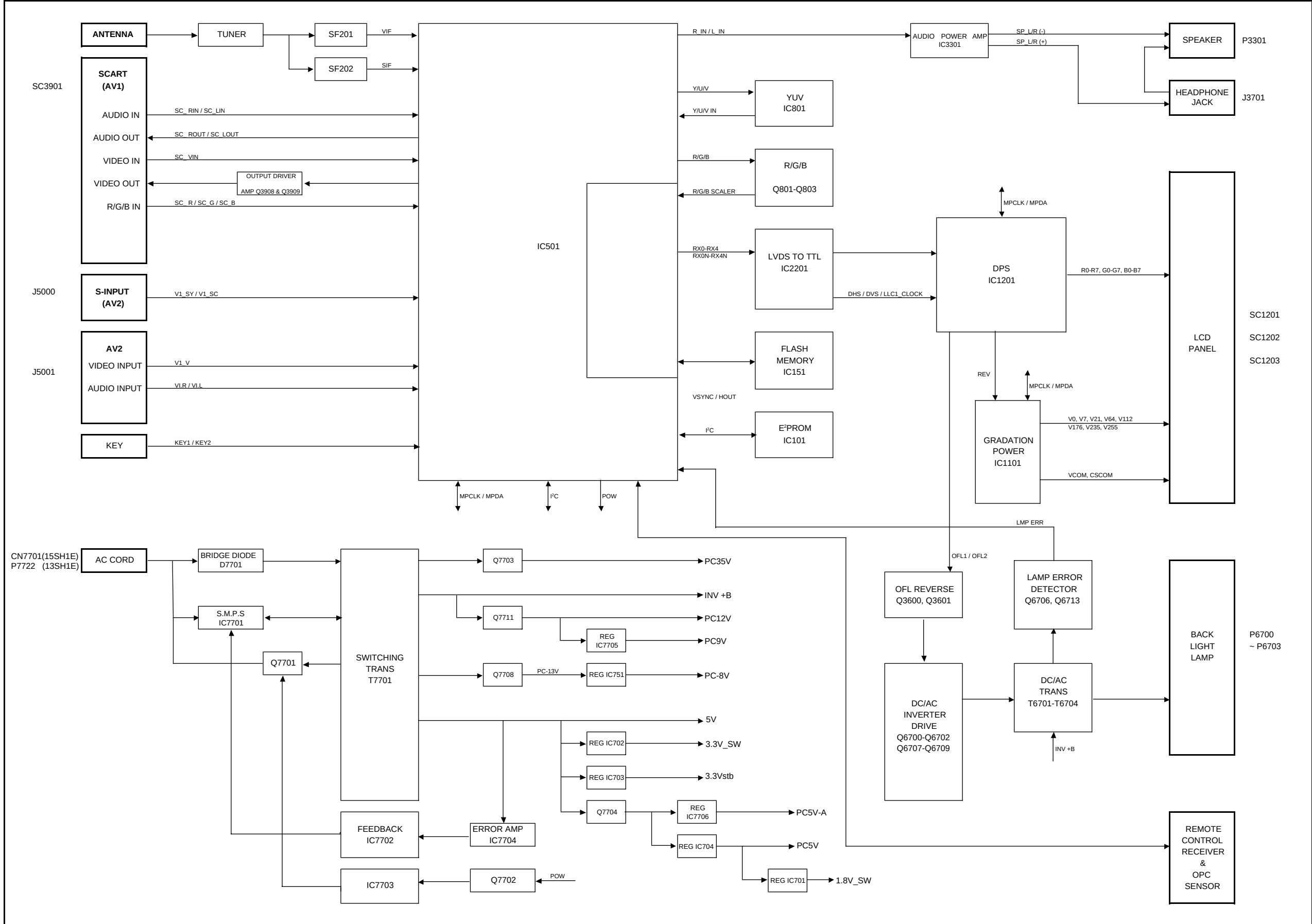
## CHASSIS LAYOUT



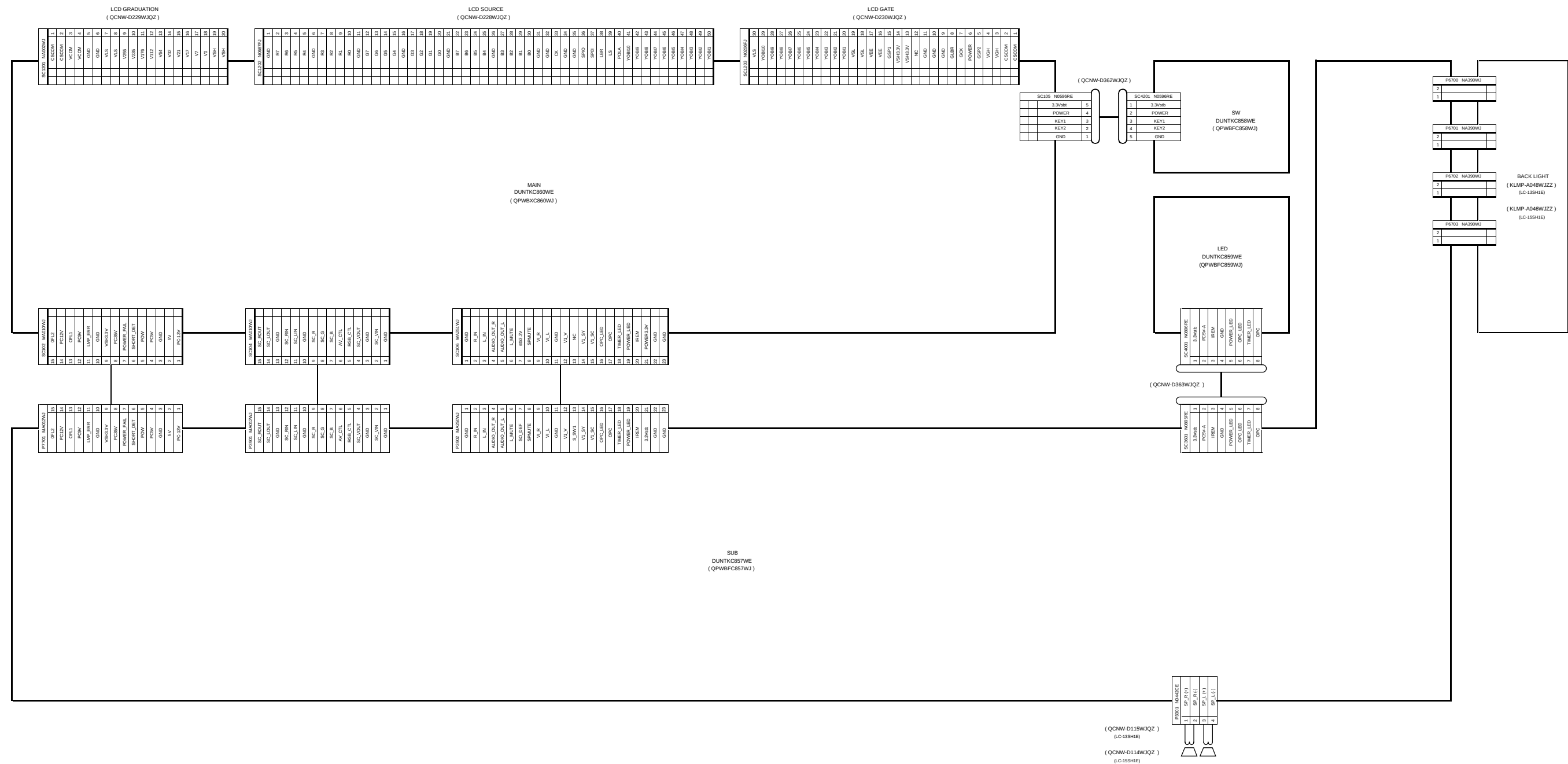
**R/C, LED Unit**



# BLOCK DIAGRAM



## OVERALL WIRING DIAGRAM



# DESCRIPTION OF SCHEMATIC DIAGRAM

## VOLTAGE MEASUREMENT CONDITION:

1. The voltages at test points are measured on the stable supply voltage of AC 220–240V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

## INDICATION OF RESISTOR & CAPACITOR:

### RESISTOR

1. The unit of resistance “ $\Omega$ ” is omitted.  
(K=k $\Omega$ =1000  $\Omega$ , M=M $\Omega$ ).
2. All resistors are  $\pm 5\%$ , unless otherwise noted.  
(J=  $\pm 5\%$ , F=  $\pm 1\%$ , D=  $\pm 0.5\%$ )
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.  

|                  |            |
|------------------|------------|
| ©: Solid         | Ⓜ: Cement  |
| Ⓢ: Oxide Film    | Ⓣ: Special |
| Ⓝ: Metal Coating |            |

### CAPACITOR

1. All capacitors are  $\mu\text{F}$ , unless otherwise noted.  
(P=pF= $\mu\mu\text{F}$ ).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.  

|                    |                |
|--------------------|----------------|
| (ML): Mylar        | (TA): Tantalum |
| (PF): Polypro Film | (ST): Styrol   |

### CAUTION:

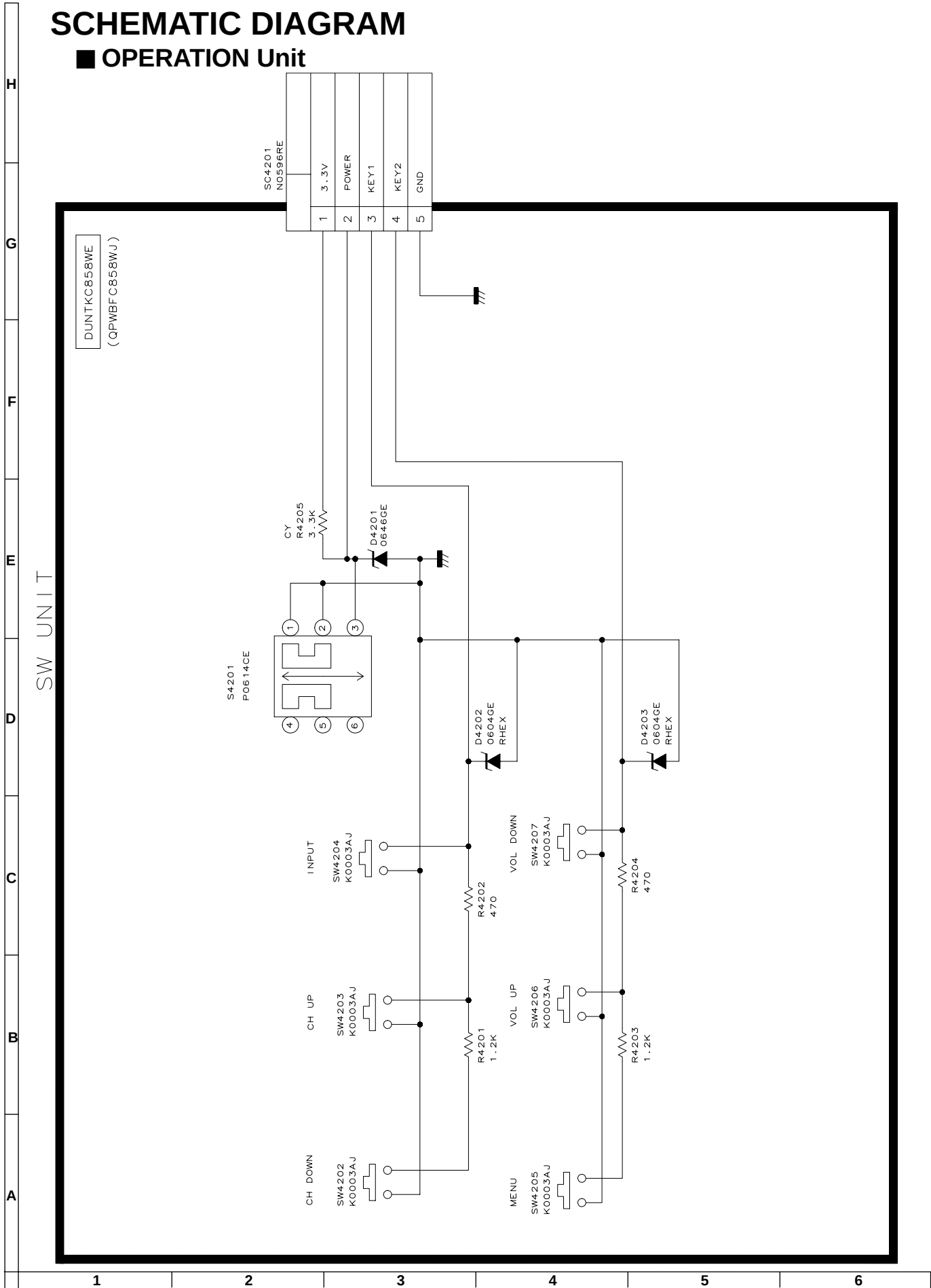
This circuit diagram is original one, therefore there may be a slight difference from yours.

### IMPORTANT SAFETY NOTICE:

**PARTS MARKED WITH “ $\triangle$ ” (  ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.**

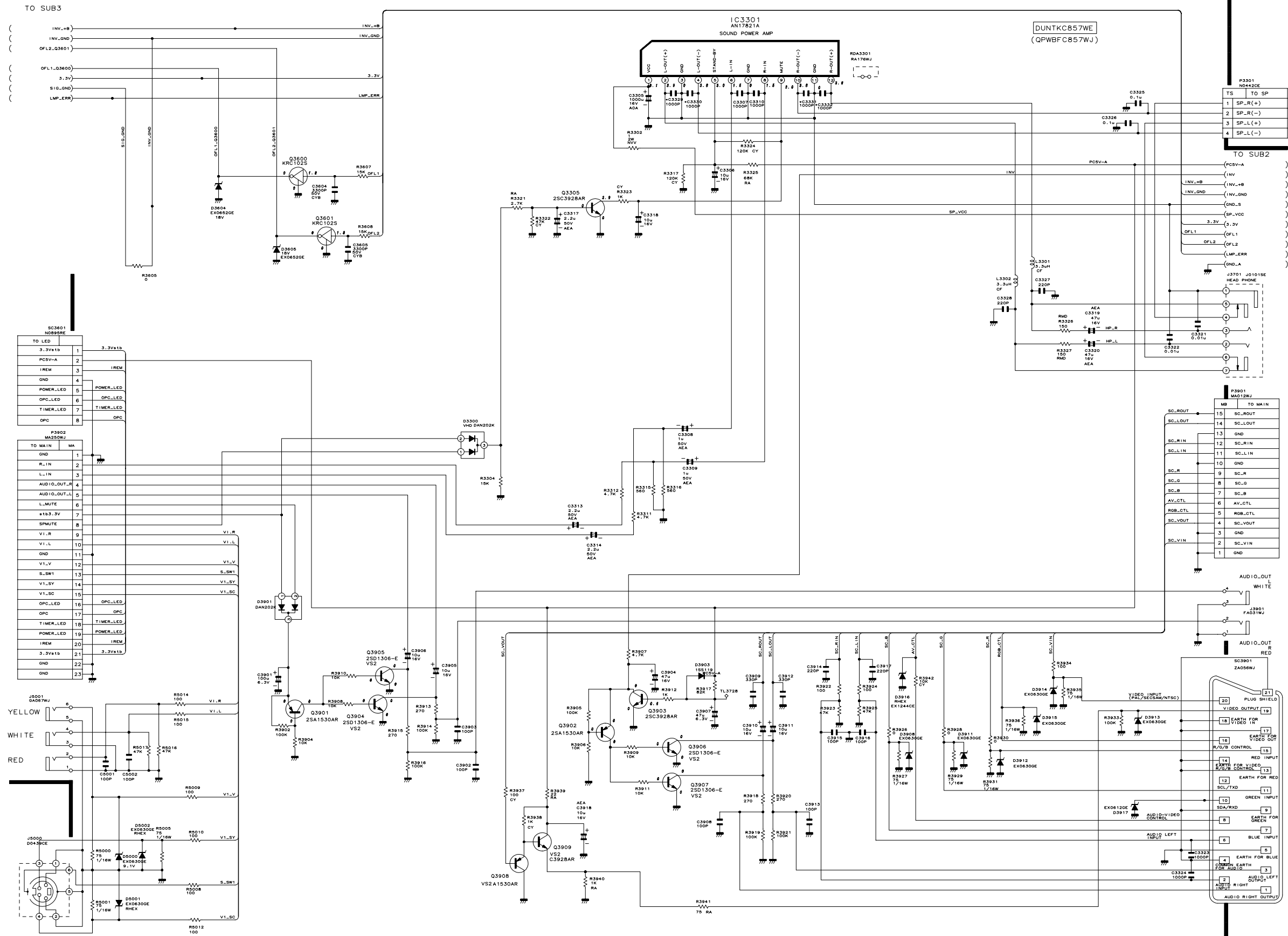
# SCHEMATIC DIAGRAM

## ■ OPERATION Unit



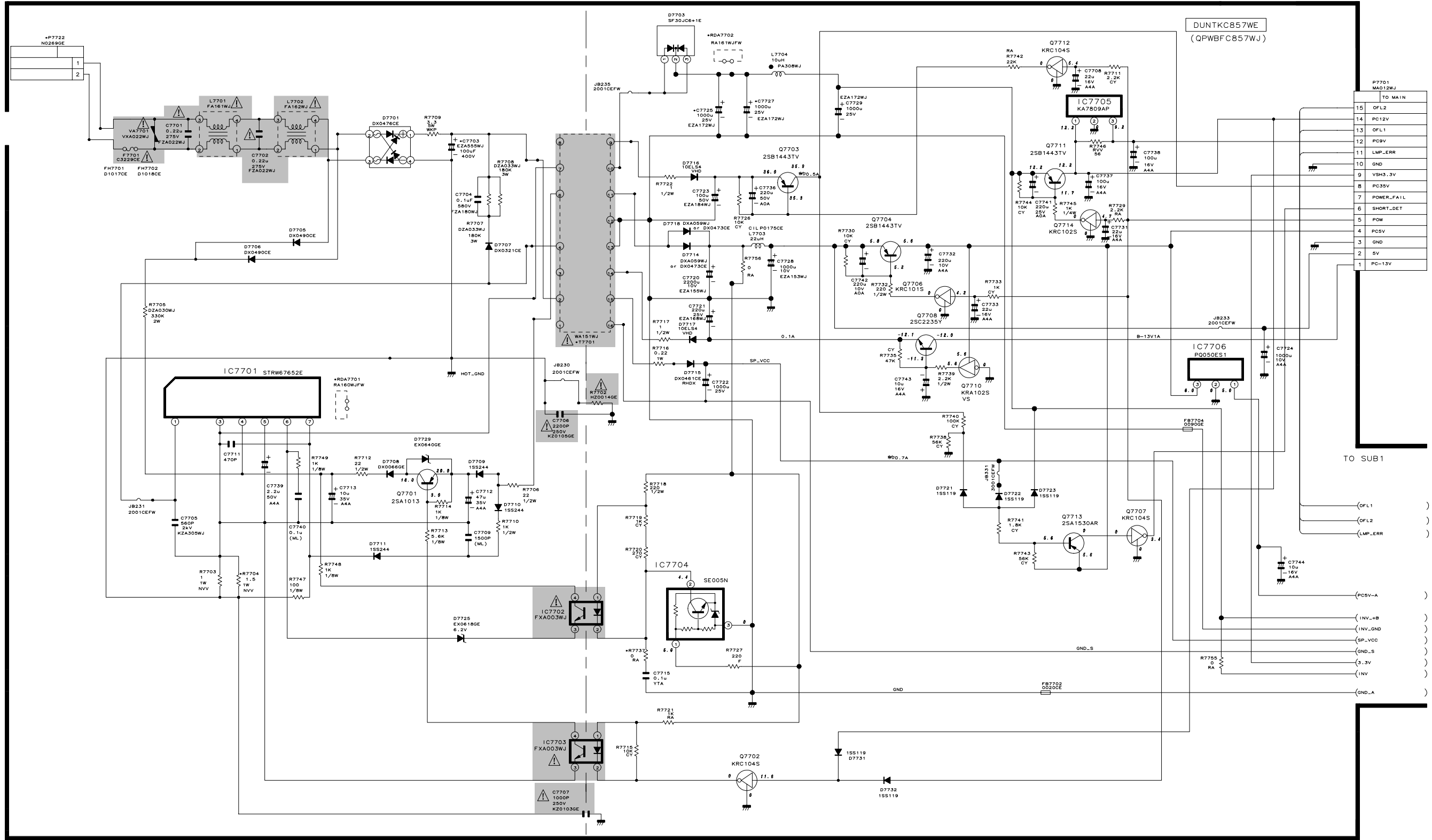
## ■ SUB Unit-1/3

SUB1 (AV\_TERMINAL)



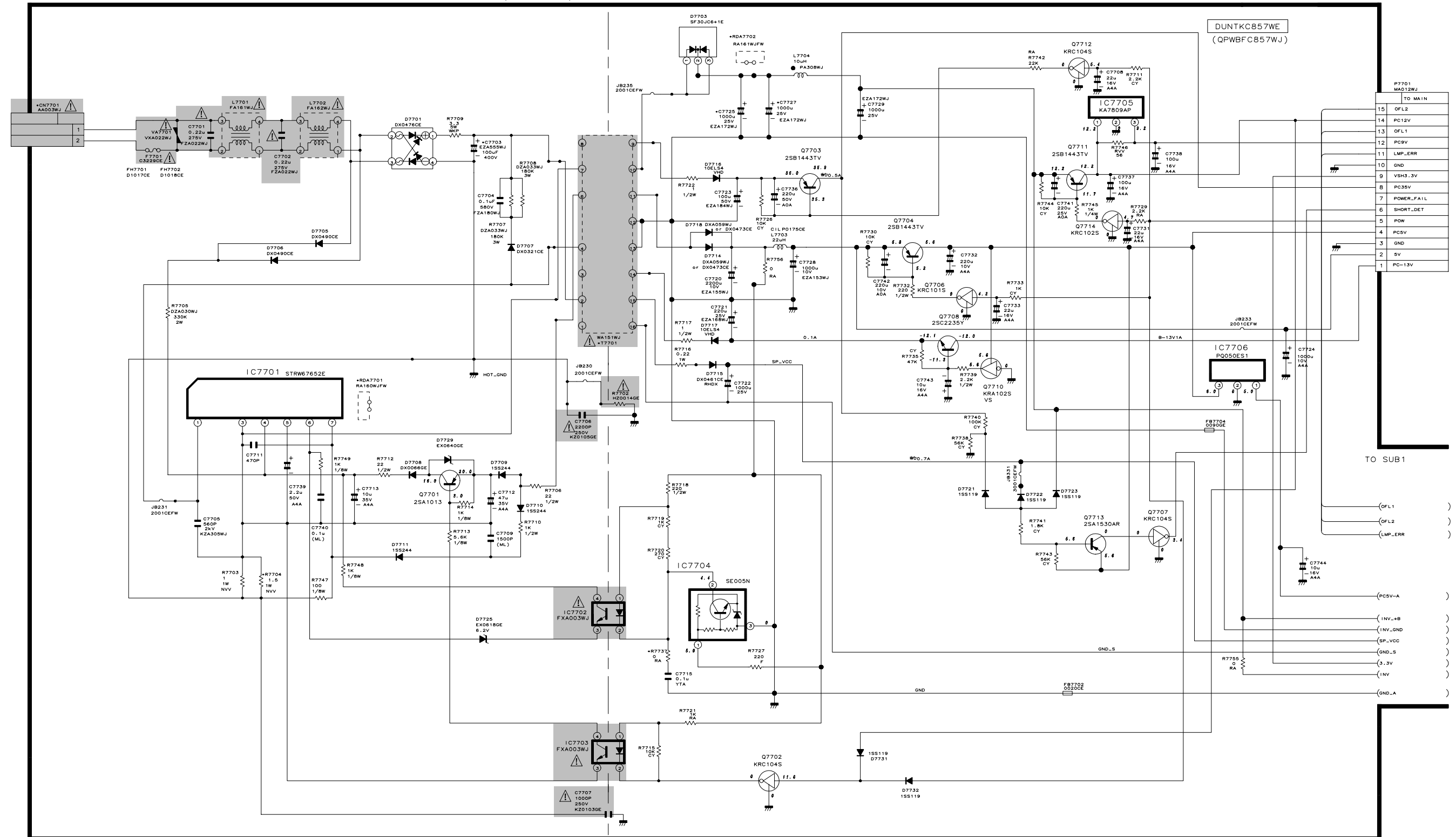
■ SUB Unit-2/3 (LC-13SH1E)

SUB2 (POWER)

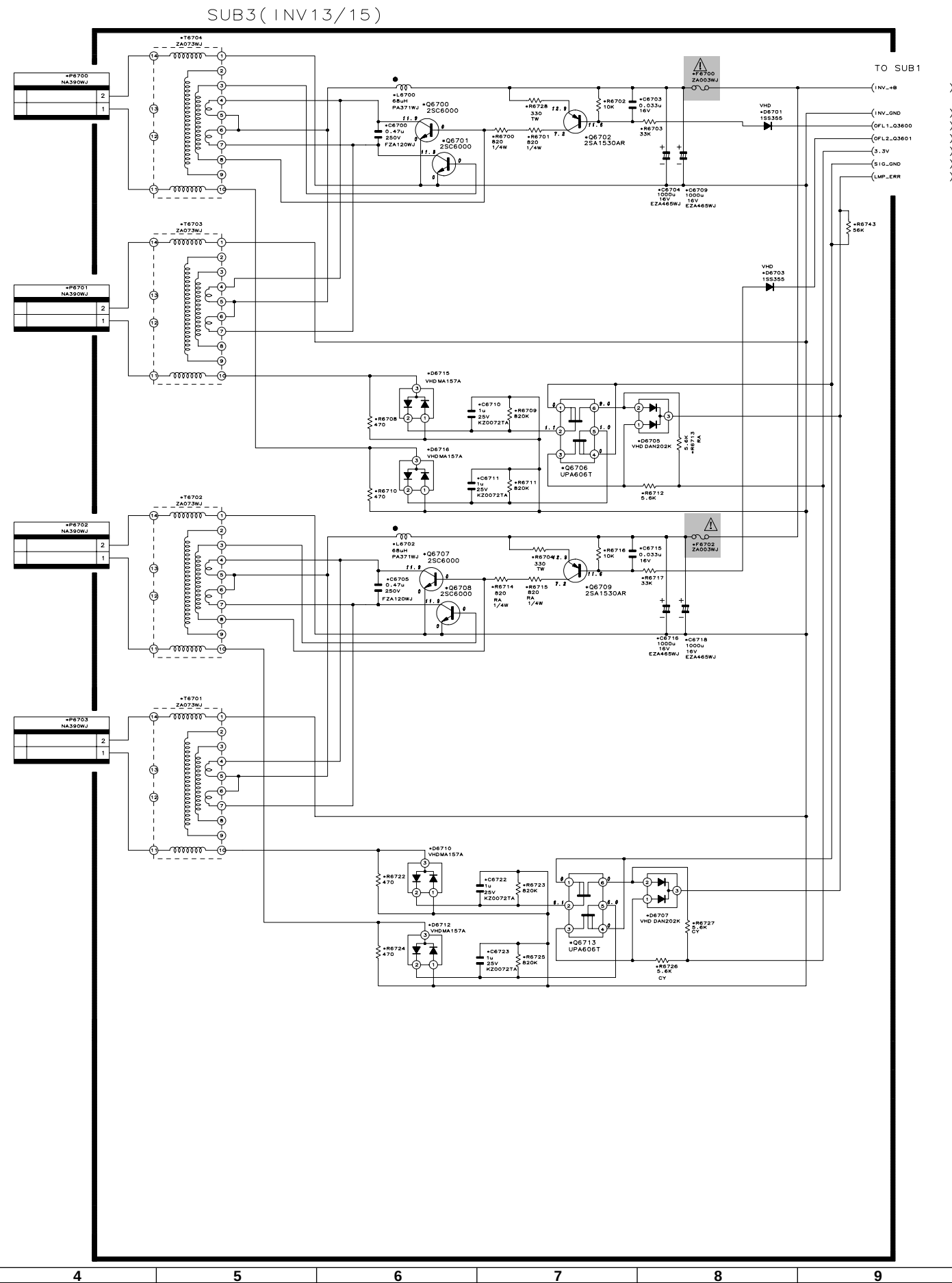


■ SUB Unit-2/3 (LC-15SH1E)

## SUB2 (POWER)

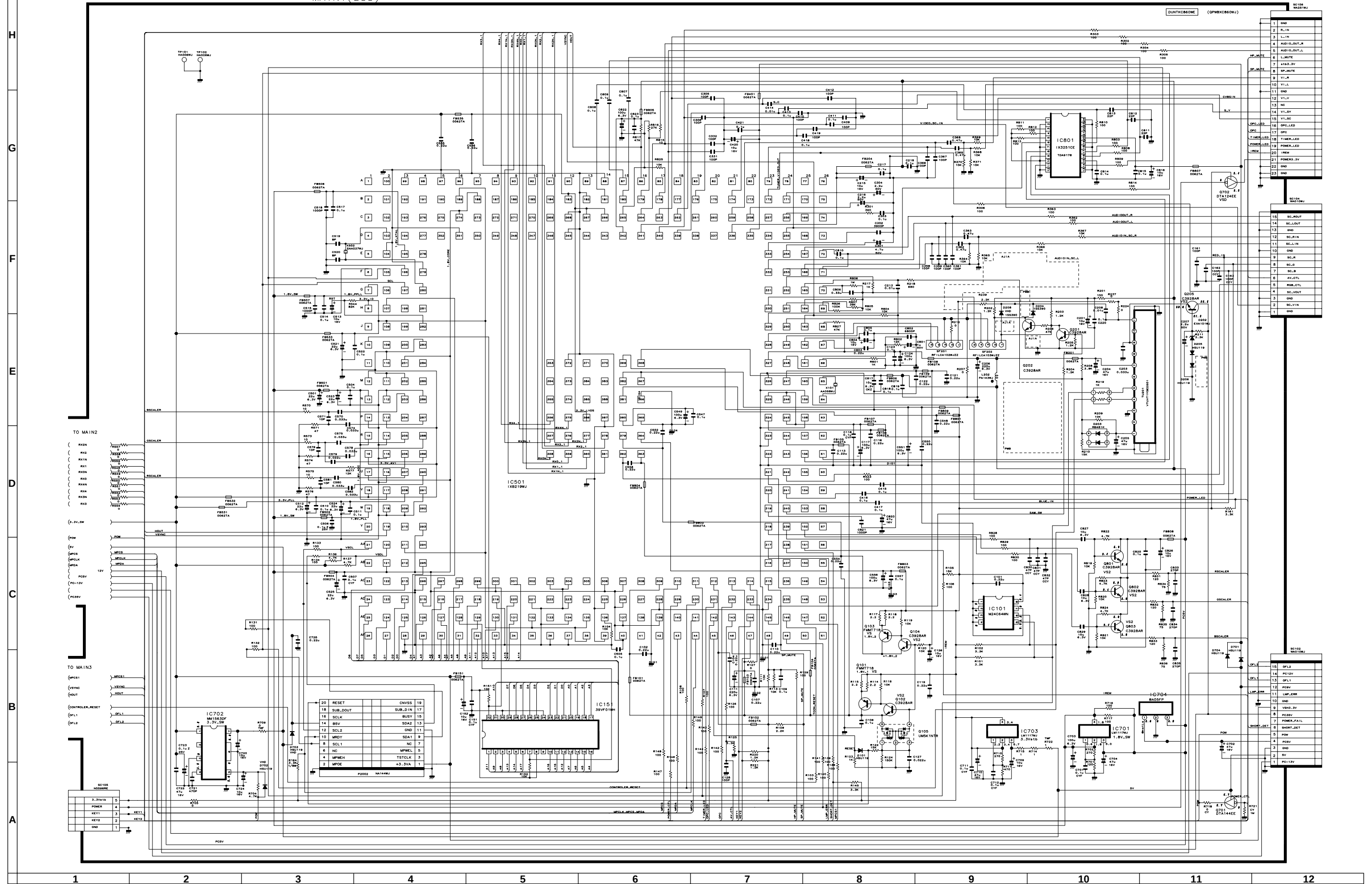


■ SUB Unit-3/3



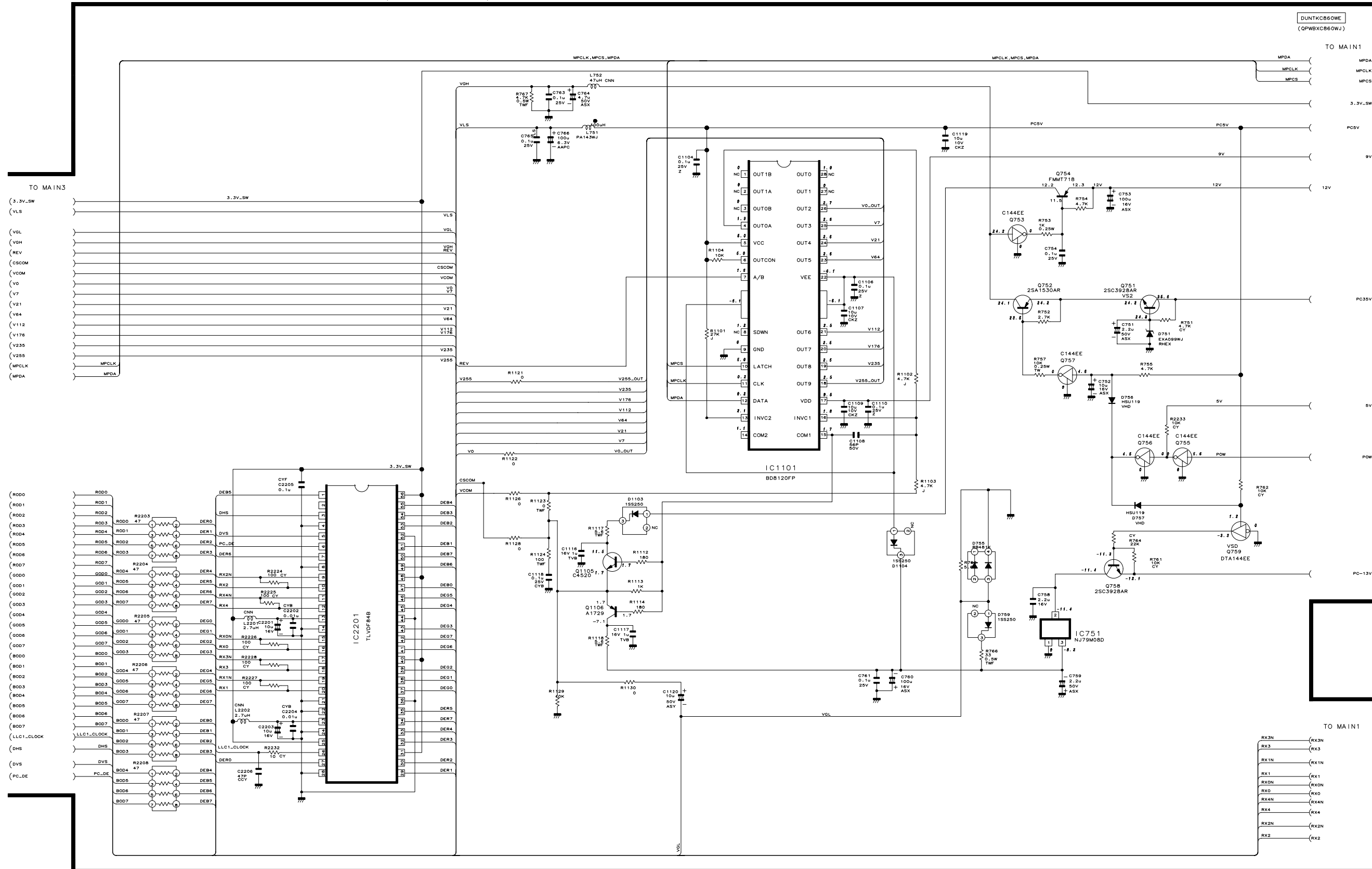
■ MAIN Unit-1/3

MAIN1(LOC)

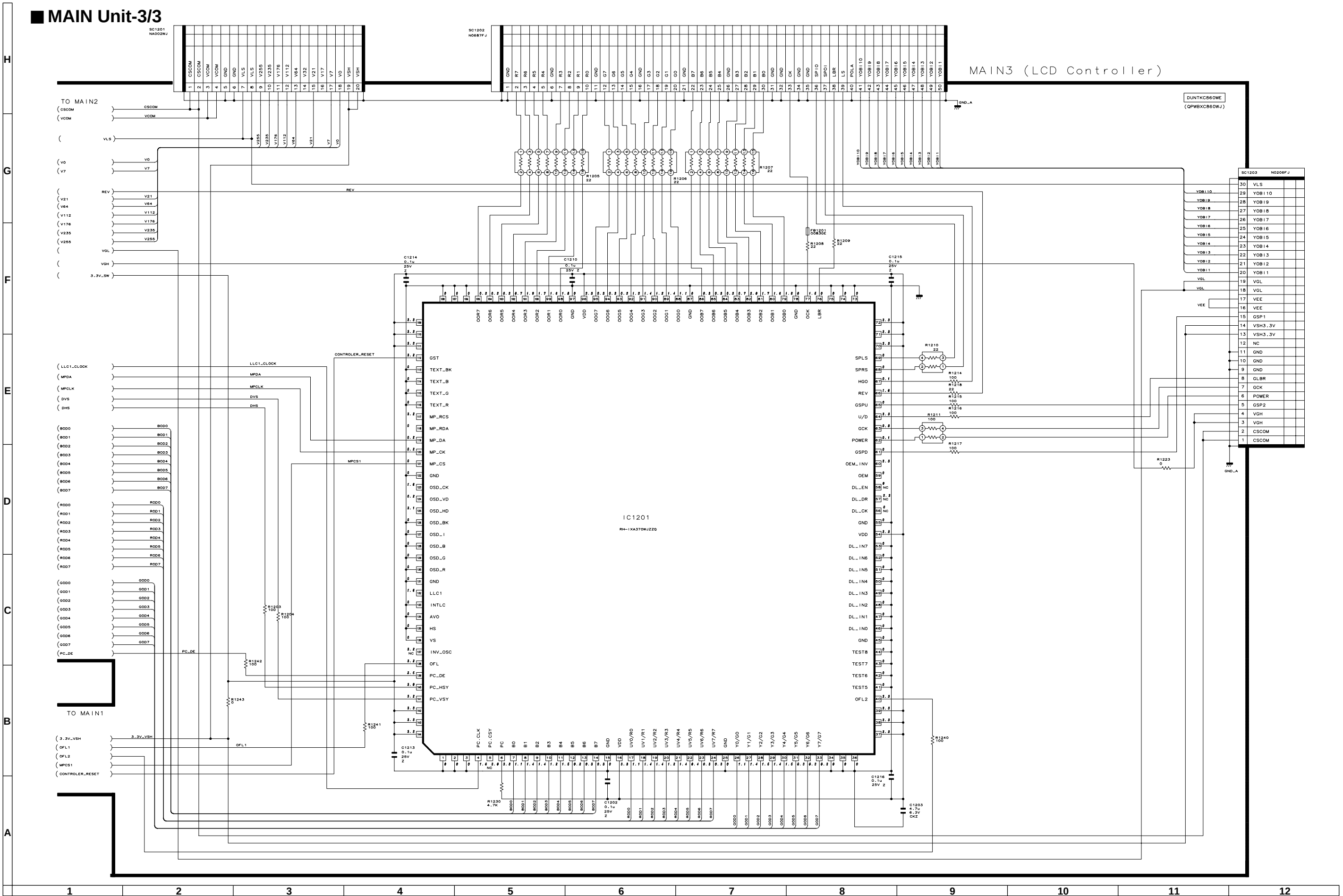


## ■ MAIN Unit-2/3

## MAIN2 (INTERFACE)

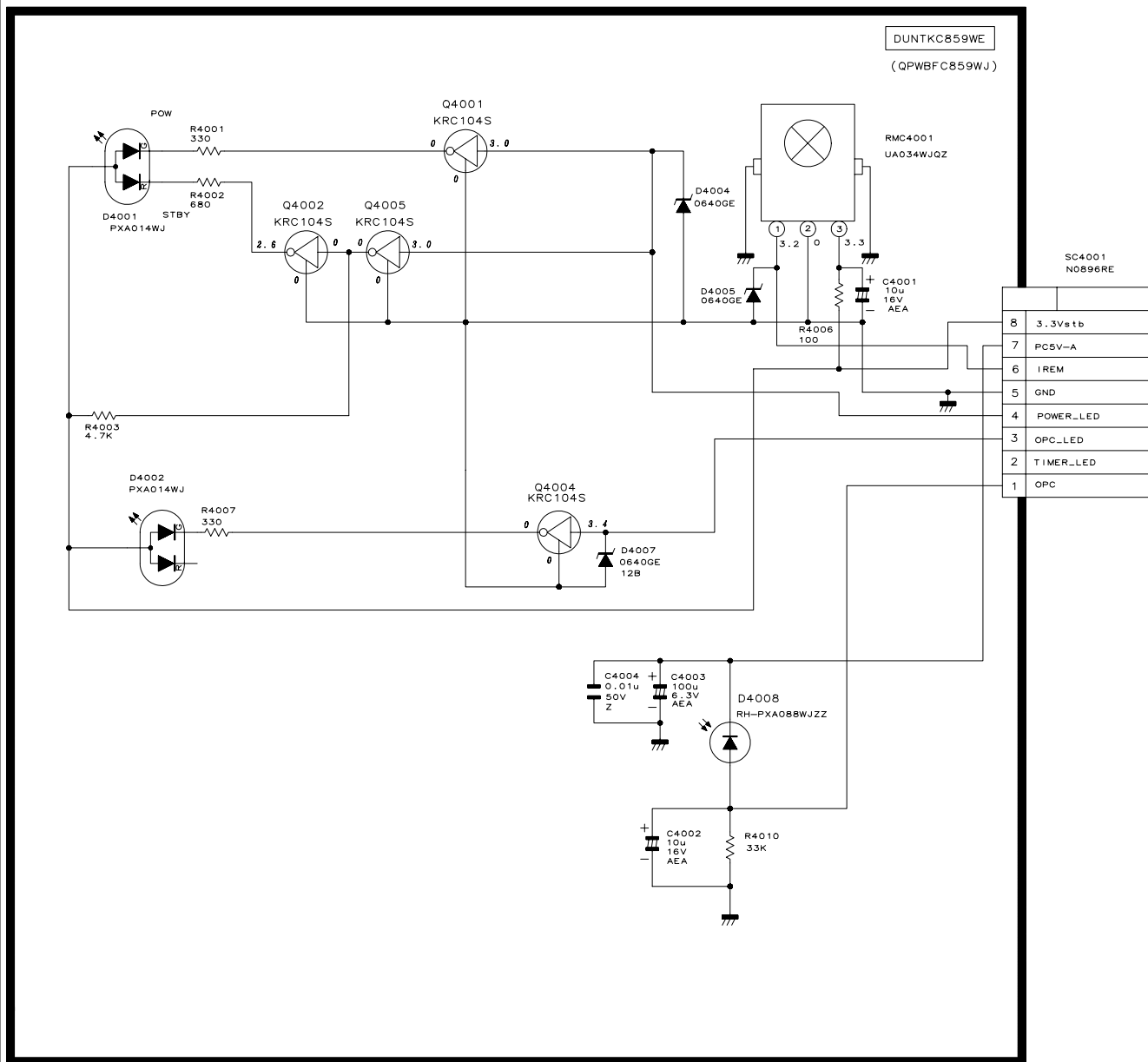


MAIN Unit-3/3

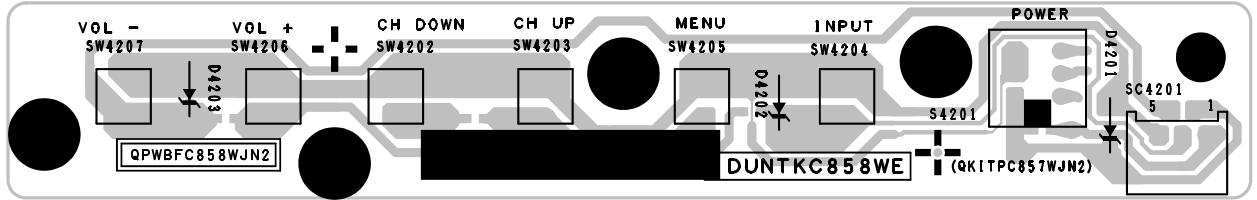


# R/C, LED Unit

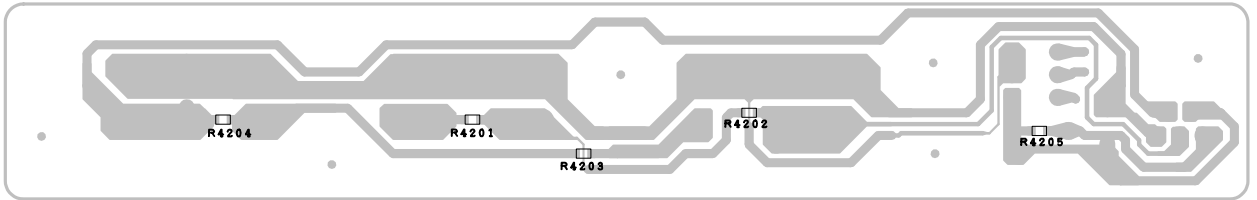
## LED UNIT



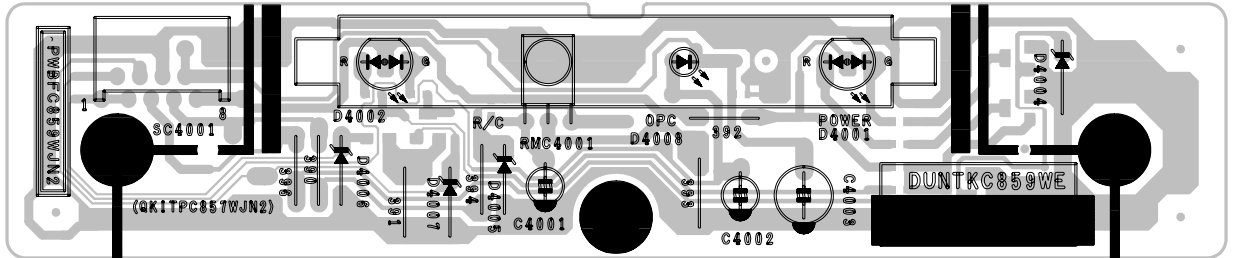
# PRINTED WIRING BOARD ASSEMBLIES



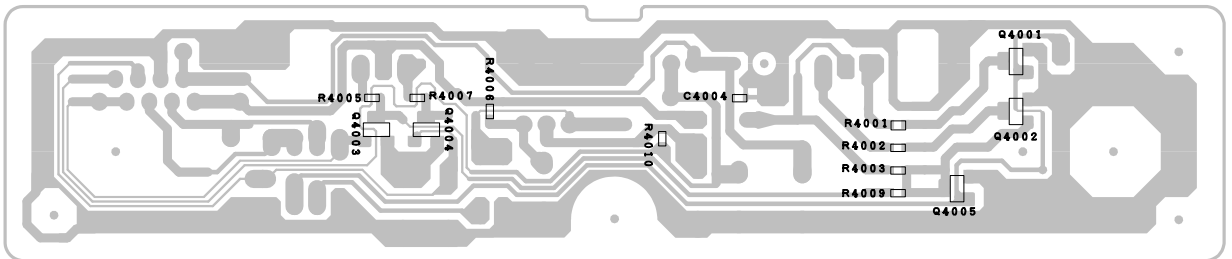
OPERATION Unit (Wiring Side)



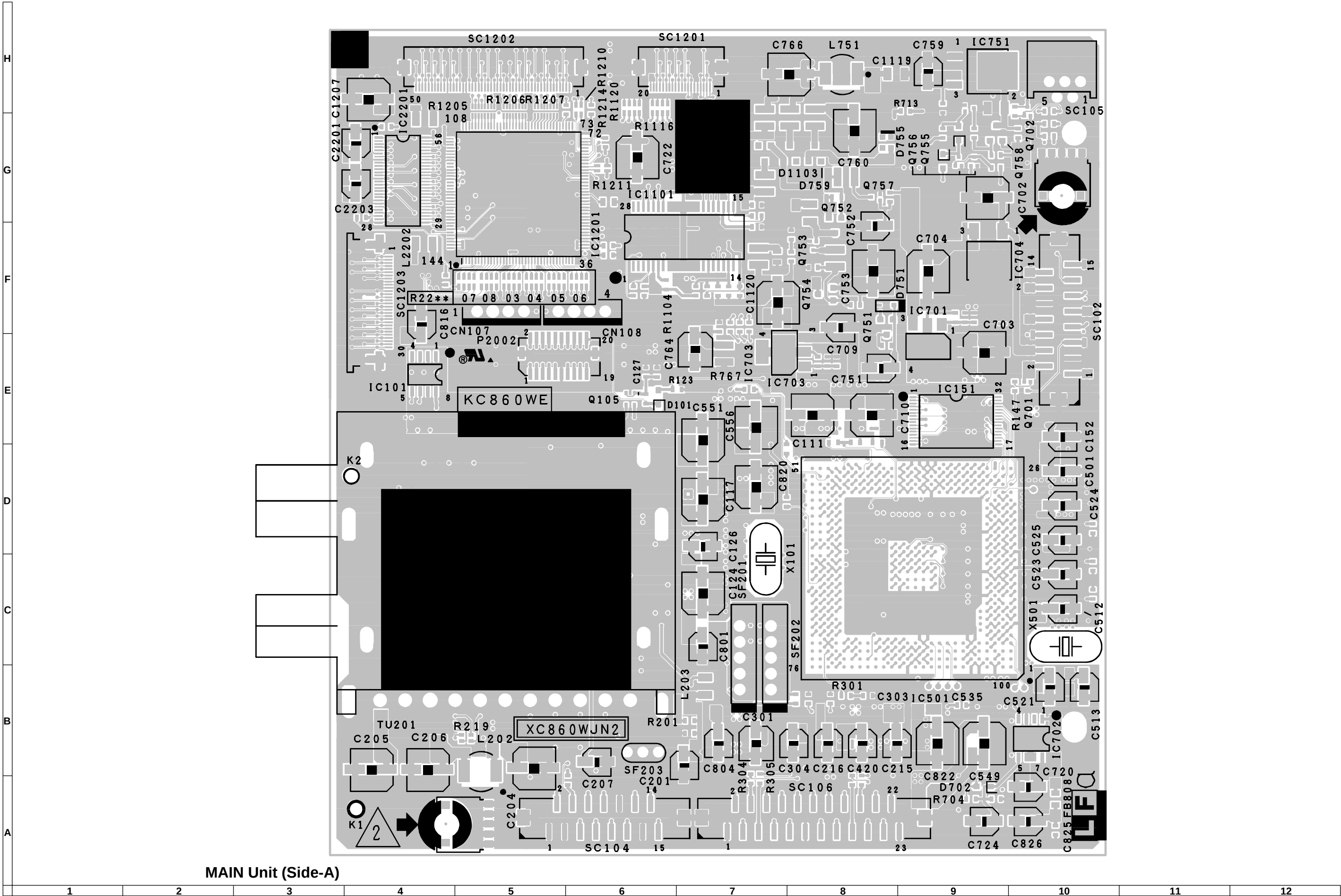
OPERATION Unit (Chip Parts Side)

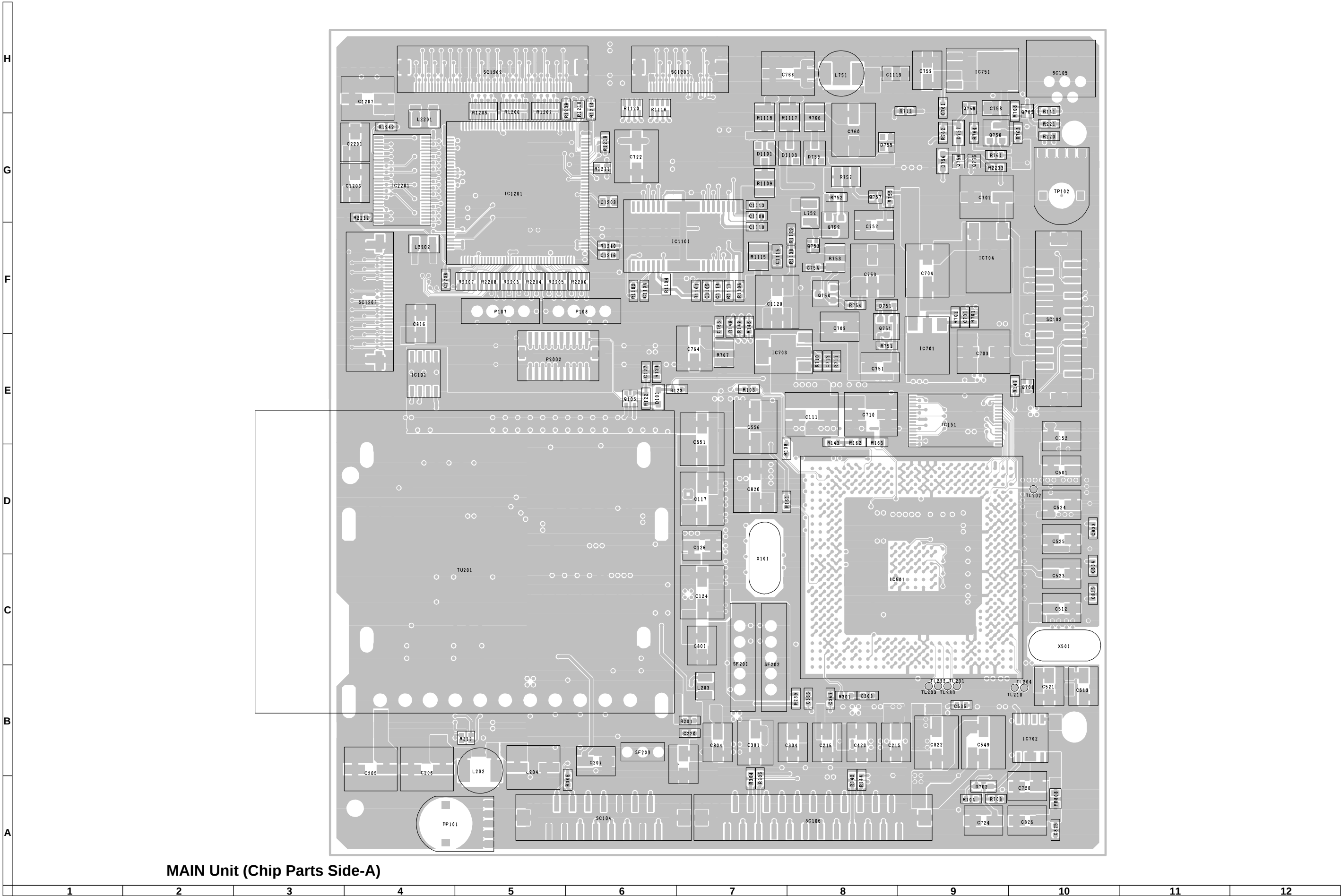


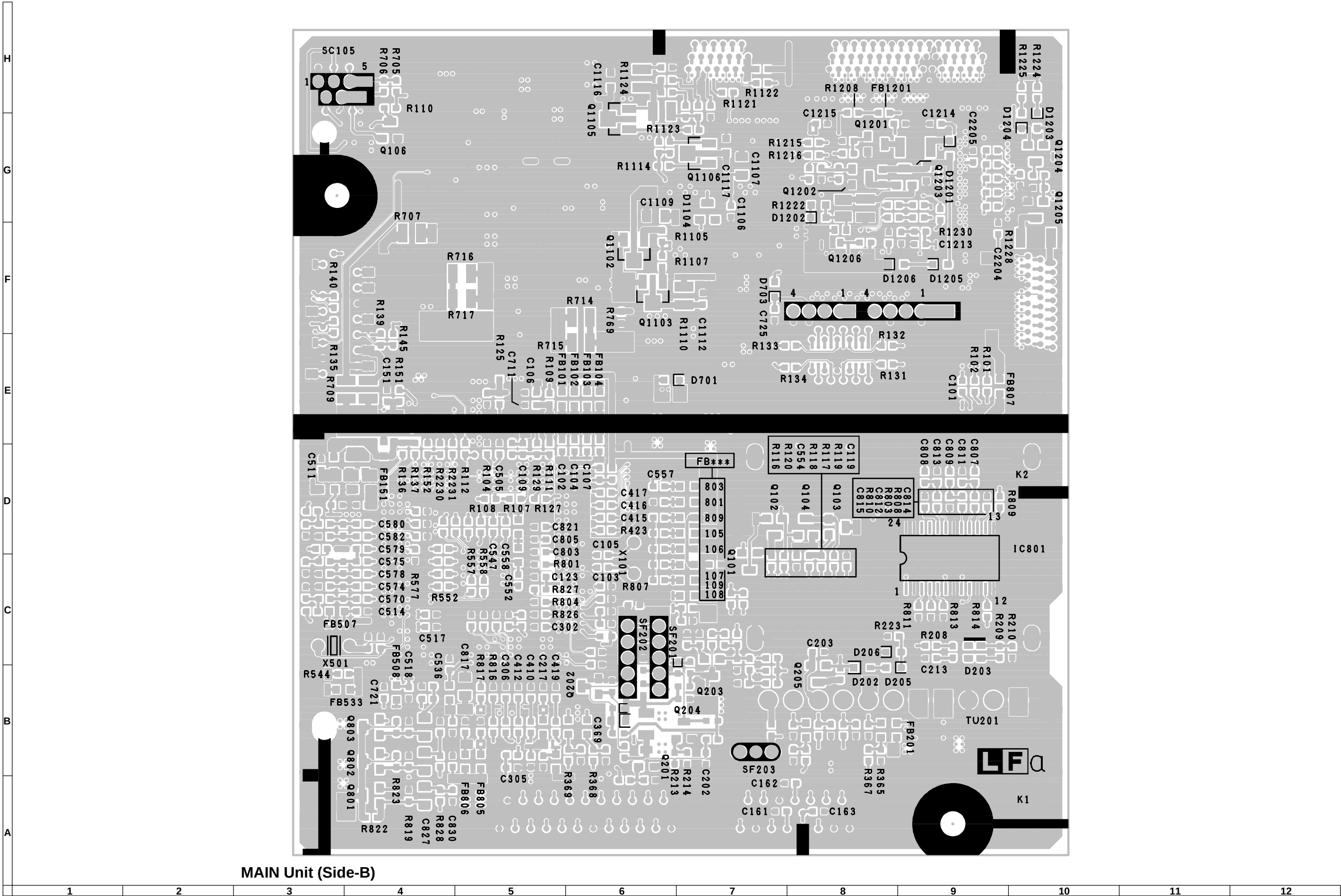
R/C, LED Unit (Wiring Side)

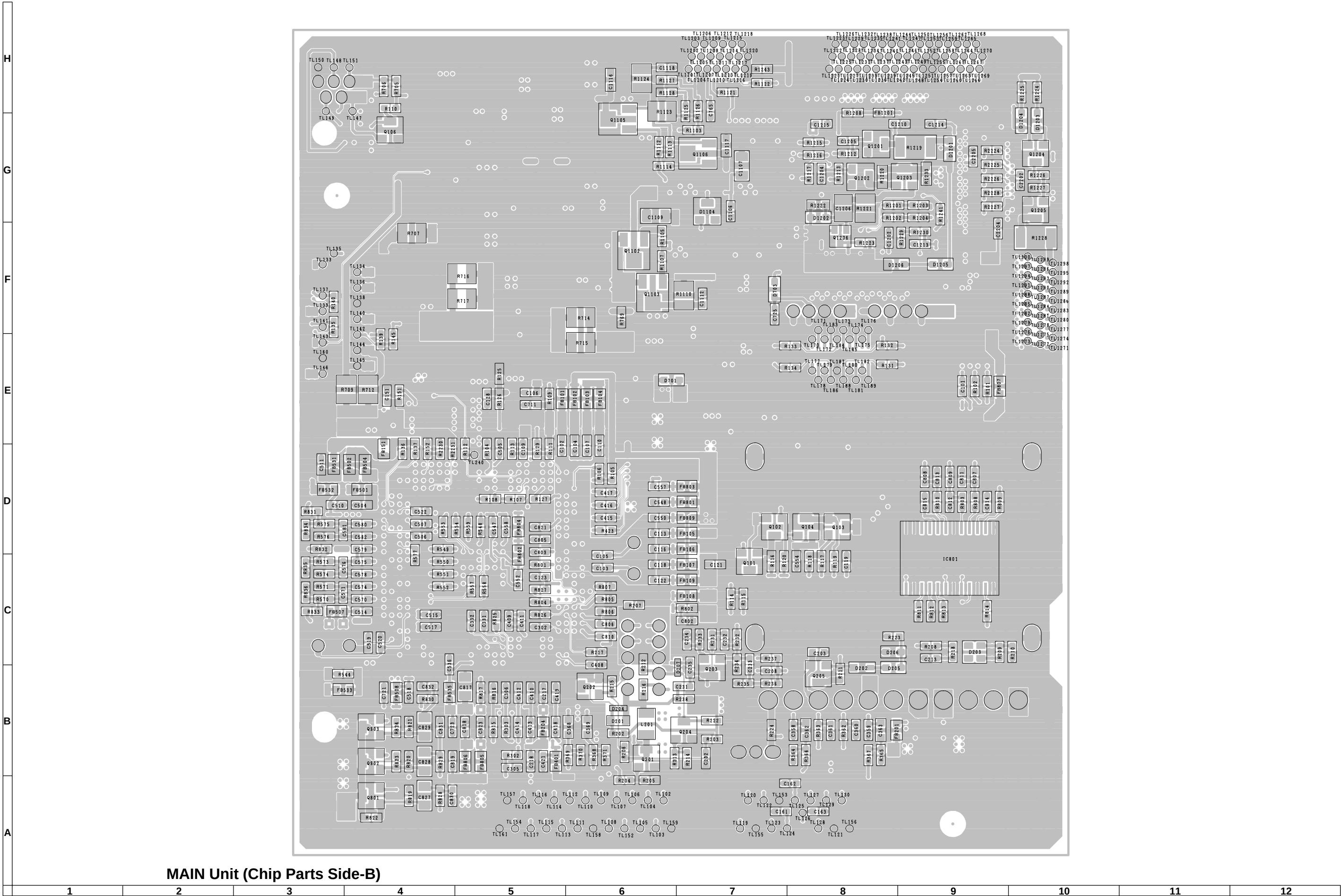


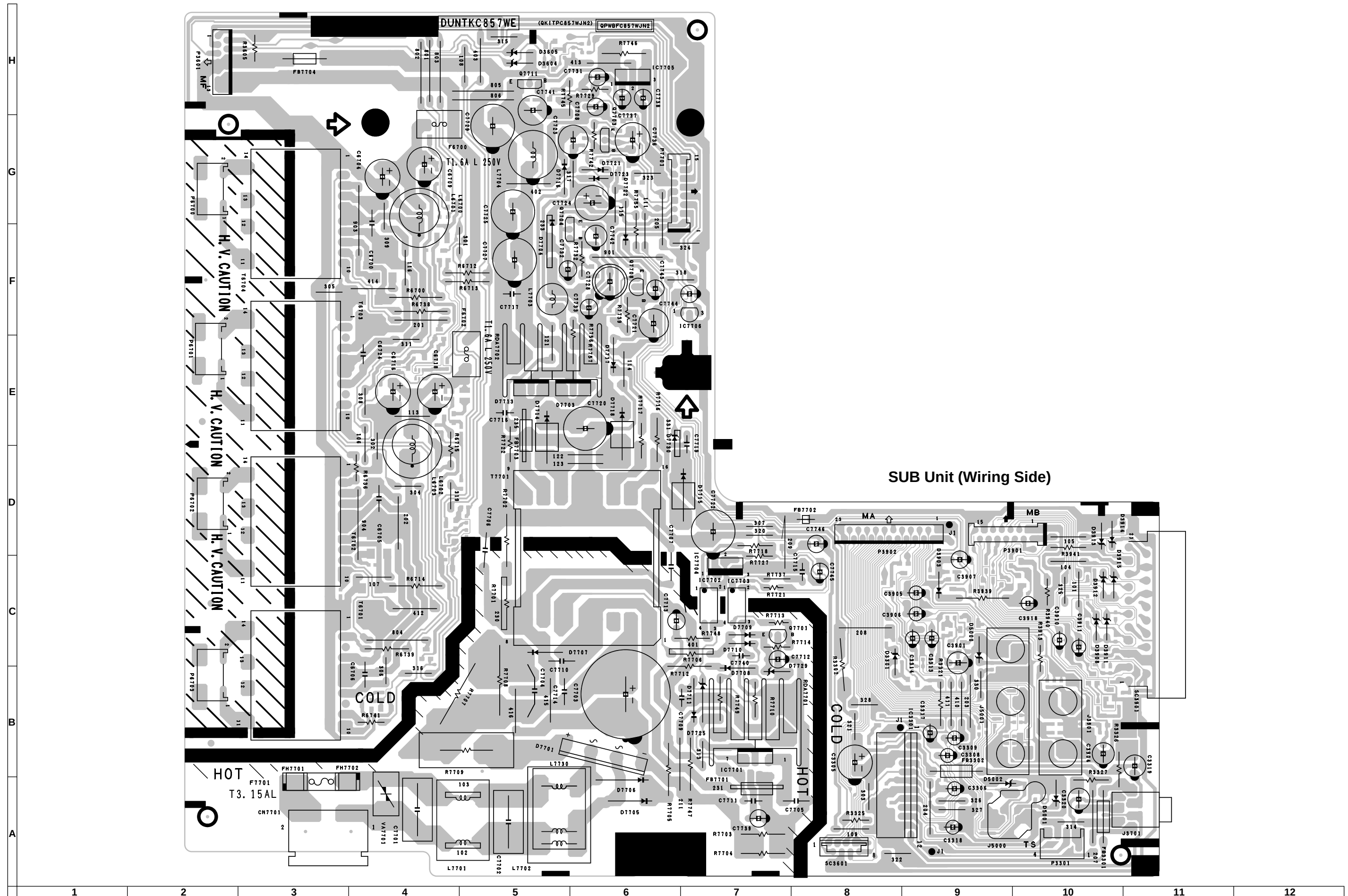
R/C, LED Unit (Chip Parts Side)

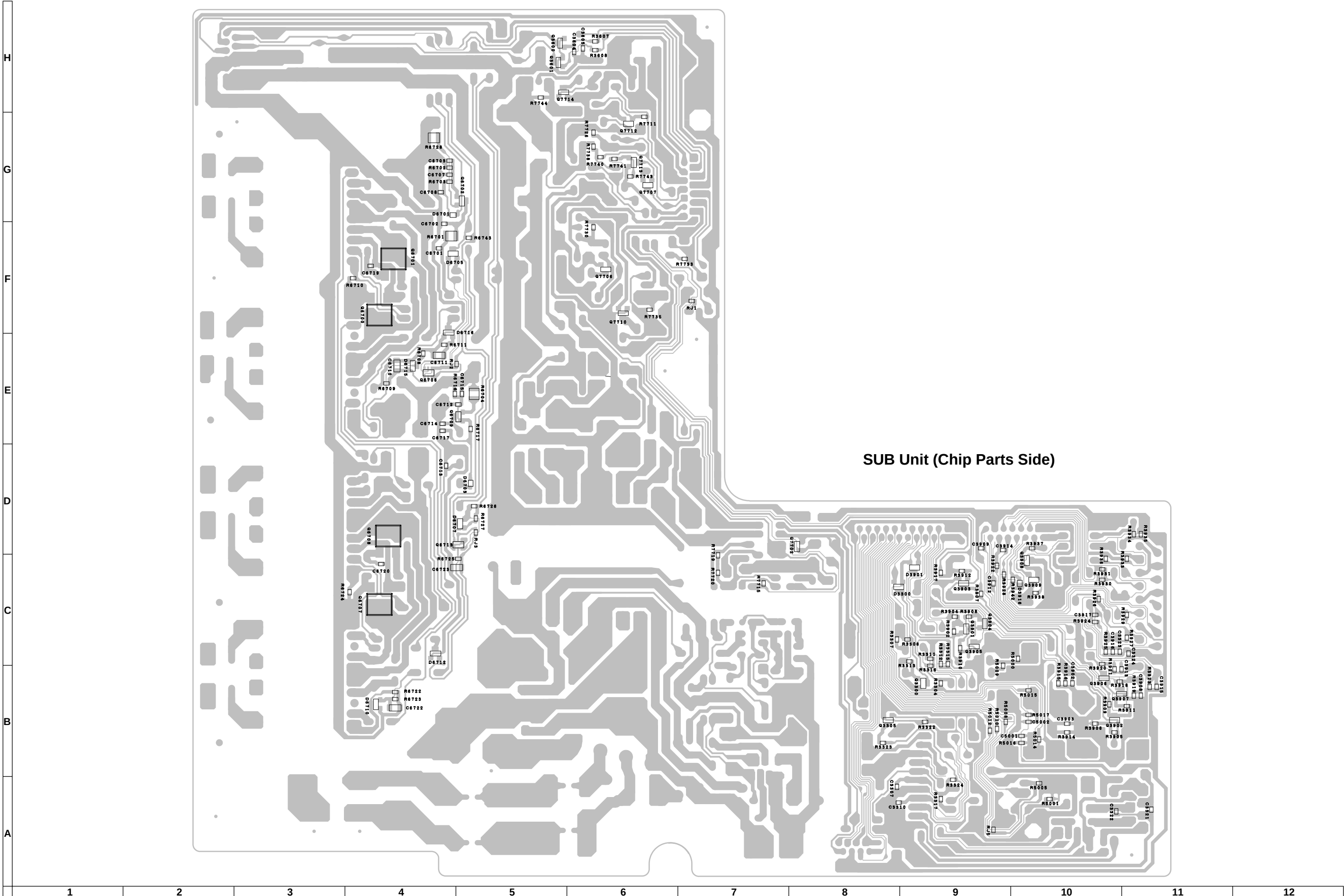












# PARTS LIST

## PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by  and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

### "HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- |                 |                |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO.    |
| 3. PART NO.     | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

## PRINTED WIRING BOARD ASSEMBLIES

(NOT REPLACEMENT ITEM)

### LC-13SH1E

|               |                  |   |
|---------------|------------------|---|
| DUNTKC857WE06 | — SUB Unit       | — |
| DUNTKC858WE06 | — OPERATION Unit | — |
| DUNTKC859WE06 | — R/C,LED Unit   | — |
| DUNTKC860FM05 | J MAIN Unit      | — |

### LC-15SH1E

|               |                  |   |
|---------------|------------------|---|
| DUNTKC857WE05 | — SUB Unit       | — |
| DUNTKC858WE05 | — OPERATION Unit | — |
| DUNTKC859WE05 | — R/C,LED Unit   | — |
| DUNTKC860FM04 | J MAIN Unit      | — |

## LCD PANEL

**NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.**

|                |                                  |    |
|----------------|----------------------------------|----|
| RLCDDTA023WJZZ | J 13" LCD Panel Unit (LC-13SH1E) | CQ |
| RLCDDTA024WJZZ | J 15" LCD Panel Unit (LC-15SH1E) | CT |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

## DUNTKC857WE06 (LC-13SH1E)

## DUNTKC857WE05 (LC-15SH1E)

### SUB UNIT

### INTEGRATED CIRCUITS

|                                                                                          |                |   |             |    |
|------------------------------------------------------------------------------------------|----------------|---|-------------|----|
| IC3301                                                                                   | VHiAN17821A-1  | J | AN17821A    | AH |
| IC7701                                                                                   | VHiSTRW67652E  | J | I.C.        |    |
|  IC7702 | RH-FXA003WJZZ  | J | PC123Y82    | AD |
|  IC7703 | RH-FXA003WJZZ  | J | PC123Y82    | AD |
| IC7704                                                                                   | VHiSE005N++-F  | S | I.C.        | AF |
| IC7705                                                                                   | VHiKA7809AP-1  | J | KIA7809API  | AE |
| IC7706                                                                                   | VHiPQ050ES1-1+ | J | PQ050ES1MXP | AE |

### TRANSISTORS

|       |                |   |           |    |
|-------|----------------|---|-----------|----|
| Q3300 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3305 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3600 | VSKRC102S//-1Y | J | KRC102S   | AA |
| Q3601 | VSKRC102S//-1Y | J | KRC102S   | AA |
| Q3901 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q3902 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q3903 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3904 | VS2SD1306-E-1Y | J | 2SD1306   | AC |
| Q3905 | VS2SD1306-E-1Y | J | 2SD1306   | AC |
| Q3906 | VS2SD1306-E-1Y | J | 2SD1306   | AC |
| Q3907 | VS2SD1306-E-1Y | J | 2SD1306   | AC |
| Q3908 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q3909 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q6700 | VS2SC6000++-1Y |   | 2SC6000   |    |
| Q6701 | VS2SC6000++-1Y |   | 2SC6000   |    |
| Q6702 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6706 | VSUPA606T//-1Y | J | UPA606T   | AD |
| Q6707 | VS2SC6000++-1Y |   | 2SC6000   |    |
| Q6708 | VS2SC6000++-1Y |   | 2SC6000   |    |
| Q6709 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6713 | VSUPA606T//-1Y | J | UPA606T   | AD |
| Q7701 | VS2SA1013//1E+ | J | 2SA1013   | AD |
| Q7702 | VSKRC104S//-1Y | J | KRC104S   | AA |
| Q7703 | VS2SB1443TV1E+ | J | 2SB1443TV | AE |
| Q7704 | VS2SB1443TV1E+ | J | 2SB1443TV | AE |
| Q7706 | VSKRC101S//-1Y | S | KRC101S   | AA |
| Q7707 | VSKRC104S//-1Y | J | KRC104S   | AA |
| Q7708 | VS2SC2235Y/1E+ | J | 2SC2235Y  | AE |
| Q7710 | VSKRA102S//-1Y | J | KRA102S   | AA |
| Q7711 | VS2SB1443TV1E+ | J | 2SB1443TV | AE |
| Q7712 | VSKRC104S//-1Y | J | KRC104S   | AA |
| Q7713 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q7714 | VSKRC102S//-1Y | J | KRC102S   | AA |

### DIODES

|       |                |   |                   |    |
|-------|----------------|---|-------------------|----|
| D3300 | VHDDAN202K/-1Y | J | Diode             | AB |
| D3301 | RH-EX0621GEZZY | J | Zener Diode       | AB |
| D3604 | RH-EX0652GEZZY | J | Zener Diode       | AB |
| D3605 | RH-EX0652GEZZY | J | Zener Diode       | AB |
| D3901 | VHDDAN202K/-1Y | J | Diode             | AB |
| D3903 | VHD1SS119//-1Y | J | Diode             | AA |
| D3908 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3911 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3912 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3913 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3914 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3915 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3916 | RH-EX1244CEZZY | J | Zener Diode       | AB |
| D3917 | RH-EX1244CEZZY | J | Zener Diode       | AB |
| D5000 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D5001 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D5002 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D6701 | VHD1SS355//-1Y | J | Diode             | AB |
| D6703 | VHD1SS355//-1Y | J | Diode             | AB |
| D6705 | VHDDAN202K/-1Y | J | Diode             | AB |
| D6707 | VHDDAN202K/-1Y | J | Diode             | AB |
| D6710 | VHDMA157A//-1Y | J | Diode             | AC |
| D6712 | VHDMA157A//-1Y | J | Diode             | AC |
| D6715 | VHDMA157A//-1Y | J | Diode             | AC |
| D6716 | VHDMA157A//-1Y | J | Diode             | AC |
| D7701 | RH-DX0476CEZZ  | J | Diode             | AG |

| Ref. No.                         | Part No.       | ★ | Description           | Code | Ref. No.         | Part No.       | ★ | Description            | Code |
|----------------------------------|----------------|---|-----------------------|------|------------------|----------------|---|------------------------|------|
| <b>DUNTKC857WE06 (LC-13SH1E)</b> |                |   |                       |      |                  |                |   |                        |      |
| <b>DUNTKC857WE05 (LC-15SH1E)</b> |                |   |                       |      |                  |                |   |                        |      |
| <b>SUB UNIT (Continued)</b>      |                |   |                       |      |                  |                |   |                        |      |
| D7703                            | VHDSF30JC6+1E  | S | Diode                 | AG   | C3908            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7705                            | RH-DX0490CEZZY | J | Diode                 | AC   | C3909            | VCCCCY1HH331JY | J | 330p 50V Ceramic       | AA   |
| D7706                            | RH-DX0490CEZZY | J | Diode                 | AC   | C3910            | VCEAEA1CW106M+ | J | 10 16V Electrolytic    | AB   |
| D7707                            | RH-DX0321CEZZY | J | Diode                 | AC   | C3911            | VCEAEA1CW106M+ | J | 10 16V Electrolytic    | AB   |
| D7708                            | RH-DX0066GEZZY | J | Diode                 | AC   | C3912            | VCCCCY1HH331JY | J | 330p 50V Ceramic       | AA   |
| D7709                            | VHD1SS244/-1Y  | J | Diode                 | AB   | C3913            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7710                            | VHD1SS244/-1Y  | J | Diode                 | AB   | C3914            | VCCCCY1HH221JY | J | 220p 50V Ceramic       | AA   |
| D7711                            | VHD1SS244/-1Y  | J | Diode                 | AB   | C3915            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7714                            | RH-DXA059WJZZ  | S | Diode                 | AD   | C3916            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7715                            | RH-DX0461CEZZ  | J | Diode                 | AG   | C3917            | VCCCCY1HH221JY | J | 220p 50V Ceramic       | AA   |
| D7716                            | VHD10ERB40+-1Y | J | Diode                 | AB   | C3918            | VCEAEA1CW106M+ | J | 10 16V Electrolytic    | AB   |
| D7717                            | VHD10ERB40+-1Y | J | Diode                 | AB   | C5001            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7718                            | RH-DXA059WJZZ  | S | Diode                 | AD   | C5002            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7721                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6700            | RC-FZA120WJZZ  |   | 0.47 250V Film         |      |
| D7722                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6703            | VCKYCY1CB333KY | J | 0.033 16V Ceramic      | AA   |
| D7723                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6704            | RC-EZA465WJZZ  | J | 1000 16V Electrltyc    | AE   |
| D7725                            | RH-EX0618GEZZY | J | Zener Diode, 6.2V     | AB   | C6705            | RC-FZA120WJZZ  |   | 0.47 250V Film         |      |
| D7729                            | RH-EX0640GEZZY | J | Zener Diode           | AA   | C6709            | RC-EZA465WJZZ  | J | 1000 16V Electrltyc    | AE   |
| D7731                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6710            | RC-KZ0072TAZZY | J | 1 25V Ceramic          | AC   |
| D7732                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6711            | RC-KZ0072TAZZY | J | 1 25V Ceramic          | AC   |
| △ VA7701                         | RH-VXA022WJZZ  | J | Varistor              |      | C6715            | VCKYCY1CB333KY | J | 0.033 16V Ceramic      | AA   |
| <b>COILS</b>                     |                |   |                       |      | C6716            | RC-EZA465WJZZ  | J | 1000 16V Electrltyc    | AE   |
| L6700                            | RCiLPA371WJZZ  |   | Coil                  |      | C6718            | RC-EZA465WJZZ  | J | 1000 16V Electrltyc    | AE   |
| L6702                            | RCiLPA371WJZZ  |   | Coil                  |      | C6722            | RC-KZ0072TAZZY | J | 1 25V Ceramic          | AC   |
| △ L7701                          | RCiLFA161WJZZ  | S | Coil                  | AD   | C6723            | RC-KZ0072TAZZY | J | 1 25V Ceramic          | AC   |
| △ L7702                          | RCiLFA162WJZZ  | S | Coil                  | AD   | △ C7701          | RC-FZA022WJZZ  | J | 0.22 275V Film         | AD   |
| L7703                            | RCiLP0175CEZZ+ | J | Coil                  | AD   | △ C7702          | RC-FZA022WJZZ  | J | 0.22 275V Film         | AD   |
| L7704                            | RCiLPA308WJZZ  | S | Coil                  | AD   | C7703            | RC-EZA555WJZZ  | J | 100 400V Electrolytic  | AM   |
| <b>TRANSFORMERS</b>              |                |   |                       |      | C7704            | RC-FZA180WJZZ  | S | 0.1 580V Film          | AC   |
| T6701                            | RTRNZA073WJZZ  |   | Transformer           |      | C7705            | RC-KZA305WJZZ  | S | 560p 2kV Ceramic       | AB   |
| T6702                            | RTRNZA073WJZZ  |   | Transformer           |      | △ C7706          | RC-KZ0105GEZZ  | J | 2200p 250V Ceramic     | AD   |
| T6703                            | RTRNZA073WJZZ  |   | Transformer           |      | △ C7707          | RC-KZ0103GEZZ  | J | 1000p 250V Ceramic     | AD   |
| T6704                            | RTRNZA073WJZZ  |   | Transformer           |      | C7708            | VCEA4A1CN226M+ | J | 22 16V Electrolytic    | AA   |
| △ T7701                          | RTRNWA151WJZZ  |   | Transformer           |      | C7709            | VCQYTA1HM152J+ | J | 1500p 50V Mylar        | AA   |
| <b>CAPACITORS</b>                |                |   |                       |      | C7711            | VCKYPA1HB471K+ | J | 470p 50V Ceramic       | AA   |
| C3305                            | VCEA0A1CW108M+ | J | 1000 16V Electrolytic | AD   | C7712            | VCEA4A1VN476M+ | S | 47 35V Electrolytic    | AB   |
| C3306                            | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB   | C7713            | VCEA4A1VN106M+ | S | 10 35V Electrolytic    | AB   |
| C3307                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7715            | VCQYTA1HM104J+ | J | 0.1 50V Mylar          | AB   |
| C3308                            | VCEAEA1HW105M+ | J | 1 50V Electrolytic    | AB   | C7720            | RC-EZA155WJZZ  | J | 2200 10V Electrolytic  | AE   |
| C3309                            | VCEAEA1HW105M+ | J | 1 50V Electrolytic    | AB   | C7721            | RC-EZA168WJZZ+ | S | 220 25V Electrolytic   | AB   |
| C3310                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7722            | RC-EZA172WJZZ  | J | 1000 25V Electrolytic  | AE   |
| C3313                            | VCEAEA1HW225M+ | J | 2.2 50V Electrolytic  | AB   | C7723            | RC-EZA184WJZZ+ | J | 100 50V Electrolytic   | AD   |
| C3314                            | VCEAEA1HW225M+ | J | 2.2 50V Electrolytic  | AB   | C7724            | VCEA4A1AN108M  | J | 1000 10V Electrolytic  | AD   |
| C3317                            | VCEAEA1HW225M+ | J | 2.2 50V Electrolytic  | AB   | C7725            | RC-EZA172WJZZ  | J | 1000 25V Electrolytic  | AE   |
| C3318                            | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB   | C7727            | RC-EZA172WJZZ  | J | 1000 25V Electrolytic  | AE   |
| C3319                            | VCEAEA1CW476M+ | J | 47 16V Electrolytic   | AB   | C7728            | RC-EZA153WJZZ+ | J | 1000 10V Electrolytic  | AD   |
| C3320                            | VCEAEA1CW476M+ | J | 47 16V Electrolytic   | AB   | C7729            | RC-EZA172WJZZ  | J | 1000 25V Electrolytic  | AE   |
| C3321                            | VCKYCY1HB103KY | J | 0.01 50V Ceramic      | AA   | C7731            | VCEA4A1CN226M+ | J | 22 16V Electrolytic    | AA   |
| C3322                            | VCKYCY1HB103KY | J | 0.01 50V Ceramic      | AA   | C7732            | VCEA4A1AN227M+ | J | 220 10V Electrolytic   | AC   |
| C3323                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7733            | VCEA4A1CN226M+ | J | 22 16V Electrolytic    | AA   |
| C3324                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7736            | VCEA0A1HW227M+ | J | 220 50V Electrolytic   | AB   |
| C3325                            | VCKYCY1CF104ZY | J | 0.1 16V Ceramic       | AA   | C7737            | VCEA4A1CN107M+ | J | 100 16V Electrolytic   | AB   |
| C3326                            | VCKYCY1CF104ZY | J | 0.1 16V Ceramic       | AA   | C7738            | VCEA4A1CN107M+ | J | 100 16V Electrolytic   | AB   |
| C3327                            | VCCCCY1HH221JY | J | 220p 50V Ceramic      | AA   | C7739            | VCEA4A1HN225M+ | J | 2.2 50V Electrolytic   | AC   |
| C3328                            | VCCCCY1HH221JY | J | 220p 50V Ceramic      | AA   | C7740            | VCQYTA1HM104J+ | J | 0.1 50V Mylar          | AB   |
| C3329                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7741            | VCEA0A1EW227M+ | J | 220 25V Electrolytic   | AB   |
| C3330                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7742            | VCEA0A1AW227M+ | J | 220 10V Electrolytic   | AB   |
| C3331                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7743            | VCEA4A1CN106M+ | J | 10 16V Electrolytic    | AC   |
| C3332                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7744            | VCEA4A1CN106M+ | J | 10 16V Electrolytic    | AC   |
| C3604                            | VCKYCY1HB332KY | J | 3300p 50V Ceramic     | AA   | <b>RESISTORS</b> |                |   |                        |      |
| C3605                            | VCKYCY1HB332KY | J | 3300p 50V Ceramic     | AA   | RJ1              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3901                            | VCEAEA0JW107M+ | J | 100 6.3V Electrolytic | AB   | RJ2              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3902                            | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | RJ3              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3903                            | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | RJ4              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3904                            | VCEAEA1CW476M+ | J | 47 16V Electrolytic   | AB   | RJ5              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3905                            | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB   | R3302            | VRN-VV3DB1R0J  | J | 1 2W Metal Film        | AB   |
| C3906                            | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB   | R3304            | VRS-CY1JF153JY | J | 15k 1/16W Metal Oxide  | AA   |
| C3907                            | VCEAEA0JW476M+ | J | 47 6.3V Electrolytic  | AB   | R3306            | VRS-CY1JF223JY | J | 22k 1/16W Metal Oxide  | AA   |
|                                  |                |   |                       |      | R3307            | VRS-CY1JF682JY | J | 6.8k 1/16W Metal Oxide | AA   |
|                                  |                |   |                       |      | R3311            | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA   |
|                                  |                |   |                       |      | R3312            | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA   |
|                                  |                |   |                       |      | R3313            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
|                                  |                |   |                       |      | R3315            | VRS-CY1JF561JY | J | 560 1/16W Metal Oxide  | AA   |
|                                  |                |   |                       |      | R3316            | VRS-CY1JF561JY | J | 560 1/16W Metal Oxide  | AA   |

| Ref. No.                         | Part No.       | ★ | Description            | Code |
|----------------------------------|----------------|---|------------------------|------|
| <b>DUNTKC857WE06 (LC-13SH1E)</b> |                |   |                        |      |
| <b>DUNTKC857WE05 (LC-15SH1E)</b> |                |   |                        |      |
| <b>SUB UNIT (Continued)</b>      |                |   |                        |      |
| R3317                            | VRS-CY1JF124JY | J | 120k 1/16W Metal Oxide | AA   |
| R3321                            | VRD-RA2BE272JY | J | 2.7k 1/8W Carbon       | AA   |
| R3322                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R3323                            | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R3324                            | VRS-CY1JF124JY | J | 120k 1/16W Metal Oxide | AA   |
| R3325                            | VRD-RA2BE683JY | J | 68k 1/8W Carbon        | AA   |
| R3326                            | VRD-RM2HD151JY | J | 150 1/2W Carbon        | AA   |
| R3327                            | VRD-RM2HD151JY | J | 150 1/2W Carbon        | AA   |
| R3607                            | VRS-CY1JF153JY | J | 15k 1/16W Metal Oxide  | AA   |
| R3608                            | VRS-CY1JF153JY | J | 15k 1/16W Metal Oxide  | AA   |
| R3902                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3904                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3905                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3906                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3907                            | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA   |
| R3908                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3909                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3910                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3911                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3912                            | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R3913                            | VRD-RA2BE271JY | J | 270 1/8W Carbon        | AA   |
| R3914                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3915                            | VRS-CY1JF271JY | J | 270 1/16W Metal Oxide  | AA   |
| R3916                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3917                            | VRS-CY1JF823JY | J | 82k 1/16W Metal Oxide  | AA   |
| R3918                            | VRS-CY1JF271JY | J | 270 1/16W Metal Oxide  | AA   |
| R3919                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3920                            | VRS-CY1JF271JY | J | 270 1/16W Metal Oxide  | AA   |
| R3921                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3922                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R3923                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R3924                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R3925                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R3926                            | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| R3927                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3928                            | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| R3929                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3930                            | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| R3931                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3933                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3934                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R3935                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3936                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3937                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R3938                            | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R3939                            | VRD-RA2BE220JY | J | 22 1/8W Carbon         | AA   |
| R3940                            | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |
| R3941                            | VRD-RA2BE750JY | J | 75 1/8W Carbon         | AA   |
| R3942                            | VRS-CY1JF333JY | J | 33k 1/16W Metal Oxide  | AA   |
| R5000                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R5001                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R5005                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R5008                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5009                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5010                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5012                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5014                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5015                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5016                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R5017                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R6700                            | VRD-RA2EE821JY | J | 820 1/4W Carbon        | AA   |
| R6701                            | VRS-TW2ED821JY | J | 820 1/4W Metal Oxide   | AB   |
| R6702                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R6703                            | VRS-CY1JF333JY | J | 33k 1/16W Metal Oxide  | AA   |
| R6704                            | VRS-TW2ED331JY | J | 330 1/4W Metal Oxide   | AB   |
| R6708                            | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| R6709                            | VRS-CY1JF824JY | J | 820k 1/16W Metal Oxide | AA   |
| R6710                            | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| R6711                            | VRS-CY1JF824JY | J | 820k 1/16W Metal Oxide | AA   |
| R6712                            | VRD-RA2BE562JY | J | 5.6k 1/8W Carbon       | AA   |
| R6713                            | VRD-RA2BE562JY | J | 5.6k 1/8W Carbon       | AA   |

| Ref. No. | Part No.       | ★ | Description            | Code |
|----------|----------------|---|------------------------|------|
| R6714    | VRD-RA2EE821JY | J | 820 1/4W Carbon        | AA   |
| R6715    | VRD-RA2EE821JY | J | 820 1/4W Carbon        | AA   |
| R6716    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R6717    | VRS-CY1JF333JY | J | 33k 1/16W Metal Oxide  | AA   |
| R6722    | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| R6723    | VRS-CY1JF824JY | J | 820k 1/16W Metal Oxide | AA   |
| R6724    | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| R6725    | VRS-CY1JF824JY | J | 820k 1/16W Metal Oxide | AA   |
| R6726    | VRS-CY1JF562JY | J | 5.6k 1/16W Metal Oxide | AA   |
| R6727    | VRS-CY1JF562JY | J | 5.6k 1/16W Metal Oxide | AA   |
| R6728    | VRS-TW2ED331JY | J | 330 1/4W Metal Oxide   | AB   |
| R6743    | VRS-CY1JF563JY | J | 56k 1/16W Metal Oxide  | AA   |
| △ R7702  | RR-HZ0014GEZZY | J |                        | AE   |
| R7703    | VRN-VV3AB1R0J  | J | 1 1W Metal Film        | AA   |
| R7704    | VRN-VV3AB1R5J  | J | 1.5 1W Metal Film      | AA   |
| R7705    | RR-DZA030WJZZ  | S | 330k 2W                | AB   |
| R7706    | VRD-RM2HD220JY | J | 22 1/2W Carbon         | AA   |
| R7707    | RR-DZA033WJZZ  | J | 180k 3W                | AD   |
| R7708    | RR-DZA033WJZZ  | J | 180k 3W                | AD   |
| R7709    | VRW-KP3HC3R3K  | J | 3.3 5W Cement          | AC   |
| R7710    | VRD-RM2HD102JY | J | 1k 1/2W Carbon         | AA   |
| R7711    | VRS-CY1JF222JY | J | 2.2k 1/16W Metal Oxide | AA   |
| R7712    | VRD-RM2HD220JY | J | 22 1/2W Carbon         | AA   |
| R7713    | VRD-RA2BE562JY | J | 5.6k 1/8W Carbon       | AA   |
| R7714    | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |
| R7715    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R7716    | VRN-VV3ABR22J  | J | 0.22 1W Metal Film     | AA   |
| R7717    | VRN-SV2HC1R0J  | J | 1 1/2W Metal Film      | AA   |
| R7718    | VRD-RM2HD221JY | J | 220 1/2W Carbon        | AA   |
| R7719    | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R7720    | VRS-CY1JF271JY | J | 270 1/16W Metal Oxide  | AA   |
| R7721    | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |
| R7722    | VRN-SV2HC1R0J  | J | 1 1/2W Metal Film      | AA   |
| R7726    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R7727    | VRN-RA2BK221FY | S | 220 1/8W Metal Film    | AA   |
| R7729    | VRD-RA2BE222JY | J | 2.2k 1/8W Carbon       | AA   |
| R7730    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R7732    | VRD-RM2HD221JY | J | 220 1/2W Carbon        | AA   |
| R7733    | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R7735    | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R7738    | VRS-CY1JF563JY | J | 56k 1/16W Metal Oxide  | AA   |
| R7739    | VRD-RM2HD222JY | J | 2.2k 1/2W Carbon       | AA   |
| R7740    | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R7741    | VRS-CY1JF182JY | J | 1.8k 1/16W Metal Oxide | AA   |
| R7742    | VRD-RA2BE223JY | J | 22k 1/8W Carbon        | AA   |
| R7743    | VRS-CY1JF563JY | J | 56k 1/16W Metal Oxide  | AA   |
| R7744    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R7745    | VRD-RA2EE102JY | J | 1k 1/4W Carbon         | AA   |
| R7746    | VRS-VV3AB560J  | J | 56 1W Metal Oxide      | AA   |
| R7747    | VRD-RA2BE101JY | J | 100 1/8W Carbon        | AA   |
| R7748    | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |
| R7749    | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |

**MISCELLANEOUS PARTS**

|          |                |   |                               |    |
|----------|----------------|---|-------------------------------|----|
| △ F6700  | QFS-ZA003WJZZ  | J | Fuse, T1.25AL/250V            | AD |
| △ F6702  | QFS-ZA003WJZZ  | J | Fuse, T1.25AL/250V            | AD |
| △ F7701  | QFS-C3229CEZZ  | J | Fuse, 3.15A/250V              | AD |
| FH7701   | QFSDH1017CEZZ+ | J | Fuse Holder                   | AC |
| FH7702   | QFSDH1018CEZZ+ | J | Fuse Holder                   | AC |
| FB3301   | VP-CF3R3K0000Y | J | Peaking 3.3μH                 | AC |
| FB3302   | VP-CF3R3K0000Y | J | Peaking 3.3μH                 | AC |
| FB7702   | RBLN-0020CEZZ+ | J | Ferrite Bead                  | AB |
| FB7704   | RBLN-0090GEZZY | J | Ferrite Bead                  | AB |
| J3701    | QJAKJ0101SEZZ  | J | Headphone Jack                | AE |
| J3901    | QJAKFA031WJZZ  | J | AUDIO OUT(L)/(R)              | AC |
| J5000    | QSOD0439CEZZ   | J | S-VIDEO                       | AF |
| J5001    | QJAKGA067WJZZ  | J | AUDIO/VIDEO(EXT2)             | AD |
| △ CN7701 | QSOC003WJZZ    | J | AC INPUT Terminal (LC-15SH1E) | AD |
| P3301    | QPLGN0442CEZZ  | J | Plug, 4-pin(TS)               | AB |
| P3901    | QCNCMA012WJZZ  | J | Connector, 15-pin(MB)         | AD |
| P3902    | QCNCMA250WJZZ  | S | Connector, 23-pin(MA)         | AD |
| P6700    | QPLGNA390WJZZ  |   | Plug, 2-pin                   |    |
| P6701    | QPLGNA390WJZZ  |   | Plug, 2-pin                   |    |
| P6702    | QPLGNA390WJZZ  |   | Plug, 2-pin                   |    |

| Ref. No.                         | Part No.      | ★ | Description                           | Code | Ref. No.                         | Part No.       | ★ | Description            | Code |
|----------------------------------|---------------|---|---------------------------------------|------|----------------------------------|----------------|---|------------------------|------|
| <b>DUNTKC857WE06 (LC-13SH1E)</b> |               |   |                                       |      | <b>DUNTKC858WE06 (LC-13SH1E)</b> |                |   |                        |      |
| <b>DUNTKC857WE05 (LC-15SH1E)</b> |               |   |                                       |      | <b>DUNTKC858WE05 (LC-15SH1E)</b> |                |   |                        |      |
| <b>SUB UNIT (Continued)</b>      |               |   |                                       |      | <b>OPERATION UNIT</b>            |                |   |                        |      |
|                                  |               |   |                                       |      | <b>DIODES</b>                    |                |   |                        |      |
| P6703                            | QPLGNA390WJZZ |   | Plug, 2-pin                           |      | D4201                            | RH-EX0646GEZZY | J | Zener Diode            | AA   |
| P7701                            | QCNCMA012WJZZ | J | Connector, 15-pin                     | AD   | D4202                            | RH-EX0604GEZZY | J | Zener Diode            | AB   |
| P7702                            | QPLGN0269GEZZ | J | AC INPUT Termial<br>(LC-13SH1E)       | AB   | D4203                            | RH-EX0604GEZZY | J | Zener Diode            | AB   |
| SC3601                           | QSOCN0895REZZ | J | Socket, 8-pin                         | AC   | <b>RESISTORS</b>                 |                |   |                        |      |
| SC3901                           | QSOCZA056WJZZ | S | Socket, AV-IN1<br>(21-pin Euro-SCRAT) | AG   | R4201                            | VRS-CY1JF122JY | J | 1.2k 1/16W Metal Oxide | AA   |
| RDA3301                          | PRDARA176WJFW | S | Heat Sink, for IC3301                 | AD   | R4202                            | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| RDA7701                          | PRDARA160WJFW |   | Heat Sink, for IC7701                 |      | R4203                            | VRS-CY1JF122JY | J | 1.2k 1/16W Metal Oxide | AA   |
| RDA7702                          | PRDARA161WJFW |   | Heat Sink, for D7703                  |      | R4204                            | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
|                                  | LX-BZ3100CEF7 | S | Screw, x3                             | AA   | R4205                            | VRS-CY1JF332JY | J | 3.3k 1/16W Metal Oxide | AA   |
|                                  |               |   |                                       |      | <b>SWITCHES</b>                  |                |   |                        |      |
|                                  |               |   |                                       |      | S4201                            | QSW-P0614CEZZ  | J | MAIN POWER             | AF   |
|                                  |               |   |                                       |      | SW4202                           | QSW-K0003AJZZ+ | J | CH(✓)                  | AB   |
|                                  |               |   |                                       |      | SW4203                           | QSW-K0003AJZZ+ | J | CH(∧)                  | AB   |
|                                  |               |   |                                       |      | SW4204                           | QSW-K0003AJZZ+ | J | INPUT                  | AB   |
|                                  |               |   |                                       |      | SW4205                           | QSW-K0003AJZZ+ | J | MENU                   | AB   |
|                                  |               |   |                                       |      | SW4206                           | QSW-K0003AJZZ+ | J | VOL(+)                 | AB   |
|                                  |               |   |                                       |      | SW4207                           | QSW-K0003AJZZ+ | J | VOL(-)                 | AB   |
|                                  |               |   |                                       |      | <b>MISCELLANEOUS PARTS</b>       |                |   |                        |      |
|                                  |               |   |                                       |      | SC4201                           | QSOCN0596REZZ  | J | Socket, 5-pin          | AB   |

| Ref. No.                                                                                     | Part No. | ★ | Description | Code |
|----------------------------------------------------------------------------------------------|----------|---|-------------|------|
| <b>DUNTKC859WE06 (LC-13SH1E)</b><br><b>DUNTKC859WE05 (LC-15SH1E)</b><br><b>R/C, LED UNIT</b> |          |   |             |      |

**TRANSISTORS**

|       |                |   |         |    |
|-------|----------------|---|---------|----|
| Q4001 | VSKRC104S//-1Y | J | KRC104S | AA |
| Q4002 | VSKRC104S//-1Y | J | KRC104S | AA |
| Q4004 | VSKRC104S//-1Y | J | KRC104S | AA |
| Q4005 | VSKRC104S//-1Y | J | KRC104S | AA |

**DIODES**

|       |                |   |                      |    |
|-------|----------------|---|----------------------|----|
| D4001 | RH-PXA014WJZZ+ | J | STANDBY/On Indicator | AD |
| D4002 | RH-PXA014WJZZ+ | J | OPC Indicator        | AD |
| D4004 | RH-EX0640GEZZY | J | Zener Diode          | AA |
| D4005 | RH-EX0640GEZZY | J | Zener Diode          | AA |
| D4007 | RH-EX0640GEZZY | J | Zener Diode          | AA |
| D4008 | RH-PXA088WJZZ  |   | OPC Sensor           |    |

**CAPACITORS**

|       |                |   |                       |    |
|-------|----------------|---|-----------------------|----|
| C4001 | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB |
| C4002 | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB |
| C4003 | VCEAEA0JW107M+ | J | 100 6.3V Electrolytic | AB |
| C4004 | VCKYCY1HF103ZY | J | 0.01 50V Ceramic      | AA |

**RESISTORS**

|       |                |   |                        |    |
|-------|----------------|---|------------------------|----|
| R4001 | VRS-CY1JF331JY | J | 330 1/16W Metal Oxide  | AA |
| R4002 | VRS-CY1JF681JY | J | 680 1/16W Metal Oxide  | AA |
| R4003 | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA |
| R4006 | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA |
| R4007 | VRS-CY1JF331JY | J | 330 1/16W Metal Oxide  | AA |
| R4010 | VRS-CY1JF333JY | J | 33k 1/16W Metal Oxide  | AA |

**MISCELLANEOUS PARTS**

|         |               |   |                 |    |
|---------|---------------|---|-----------------|----|
| SC4001  | QSOCN0896REZZ | J | Socket, 8-pin   | AC |
| RMC4001 | RRMCUA034WJQZ | J | Remote Receiver | AE |
|         | LHLDZA486WJZZ | S | LED Holder      | AD |

| Ref. No.                                                                                 | Part No. | ★ | Description | Code |
|------------------------------------------------------------------------------------------|----------|---|-------------|------|
| <b>DUNTKC860WE05 (LC-13SH1E)</b><br><b>DUNTKC860WE04 (LC-15SH1E)</b><br><b>MAIN UNIT</b> |          |   |             |      |

**TUNER**

**NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.**

|       |               |   |       |    |
|-------|---------------|---|-------|----|
| TU201 | VTUVT1Y5ED501 | S | Tuner | AS |
|-------|---------------|---|-------|----|

**INTEGRATED CIRCUITS**

|        |                |   |               |    |
|--------|----------------|---|---------------|----|
| IC101  | VHiM24C64WN-1Y | J | M24C64-WMN6T  | AL |
| IC151  | VHi39VF01WH-1Q | J | I.C.          |    |
| IC501  | RH-IXB219WJZZQ | J | I.C.          |    |
| IC701  | VHiLM1117MJ-1Y | J | LM1117MPX-ADJ | AF |
| IC702  | VHiMM1563DF-1Y | J | MM1563DFBE    | AE |
| IC703  | VHiLM1117MJ-1Y | J | LM1117MPX-ADJ | AF |
| IC704  | VHiBA05FP++-1Y | J | BA05FP-E2     | AF |
| IC751  | VHiNJ79M08D-1Y | J | NJM79M08DL1A  | AF |
| IC801  | RH-IX3251CEZZY | J | TDA9178T/N1   | AY |
| IC1101 | VHiBD8120FP-1Y | J | BD8120FP      | AX |
| IC1201 | RH-IXA370WJZZQ | J | LR38819       | AY |
| IC2201 | VHiTLVDF84B-1Y | J | THC63LVDF84B  | AT |

**TRANSISTORS**

|       |                |   |           |    |
|-------|----------------|---|-----------|----|
| Q101  | VSFMMT718//-1Y | J | FMMT718   | AE |
| Q102  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q103  | VSFMMT718//-1Y | J | FMMT718   | AE |
| Q104  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q105  | VSUM5K1NTR+-1Y | J | UM5K1NTR  | AC |
| Q201  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q202  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q205  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q701  | VSDTA144EE/-1Y | J | DTA144EE  | AA |
| Q702  | VSDTA124EE/-1Y | J | DTA124EE  | AB |
| Q751  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q752  | VS2SA1530AR-1Y | J | 2SA1530A  | AB |
| Q753  | VSDTC144EE/-1Y | J | DTC144EE  | AA |
| Q754  | VSFMMT718//-1Y | J | FMMT718   | AE |
| Q755  | VSDTC144EE/-1Y | J | DTC144EE  | AA |
| Q756  | VSDTC144EE/-1Y | J | DTC144EE  | AA |
| Q757  | VSDTC144EE/-1Y | J | DTC144EE  | AA |
| Q758  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q759  | VSDTA144EE/-1Y | J | DTA144EE  | AA |
| Q801  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q802  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q803  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q1105 | VS2SC4520//-1Y | J | 2SC4520   | AE |
| Q1106 | VS2SA1729//-1Y | J | 2SA1729   | AF |

**DIODES**

|       |                |   |             |    |
|-------|----------------|---|-------------|----|
| D101  | VHDHSU119//-1Y | J | Diode       | AB |
| D202  | RH-EXA101WJZZY | J | Zener Diode | AB |
| D203  | VHDB481K++-1Y  | J | Diode       | AD |
| D204  | VHD1SS390++-1Y | J | Diode       | AB |
| D205  | VHDHSU119//-1Y | J | Diode       | AB |
| D206  | VHDHSU119//-1Y | J | Diode       | AB |
| D208  | VHD1SS390++-1Y | J | Diode       | AB |
| D701  | VHDHSU119//-1Y | J | Diode       | AB |
| D702  | VHDHSU119//-1Y | J | Diode       | AB |
| D703  | VHDHSU119//-1Y | J | Diode       | AB |
| D704  | VHD1SS119//-1Y | J | Diode       | AA |
| D751  | RH-EXA099WJZZY | J | Zener Diode |    |
| D755  | VHDB481K++-1Y  | J | Diode       | AD |
| D756  | VHDHSU119//-1Y | J | Diode       | AB |
| D757  | VHDHSU119//-1Y | J | Diode       | AB |
| D759  | VHD1SS250//1EY | J | Diode       | AB |
| D1103 | VHD1SS250//1EY | J | Diode       | AB |
| D1104 | VHD1SS250//1EY | J | Diode       | AB |
| D1201 | VHDHSU119//-1Y | J | Diode       | AB |
| D1202 | VHDHSU119//-1Y | J | Diode       | AB |

**PACKAGED CIRCUITS**

|      |               |   |         |    |
|------|---------------|---|---------|----|
| X101 | RCRSAA058WJZZ | J | Crystal |    |
| X501 | RCRSAA037WJZZ | J | Crystal | AE |

| Ref. No.                         | Part No.       | ★       | Description       | Code | Ref. No.                         | Part No.       | ★       | Description       | Code |
|----------------------------------|----------------|---------|-------------------|------|----------------------------------|----------------|---------|-------------------|------|
| <b>DUNTKC860WE05 (LC-13SH1E)</b> |                |         |                   |      | <b>DUNTKC860WE04 (LC-15SH1E)</b> |                |         |                   |      |
| <b>MAIN UNIT</b>                 |                |         |                   |      |                                  |                |         |                   |      |
| <b>FILTERS AND COILS</b>         |                |         |                   |      |                                  |                |         |                   |      |
| SF201                            | RFILCA102WJZZ  | S       | S.A.W Filter      | AH   | C414                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   |
| SF202                            | RFILCA103WJZZ  | S       | S.A.W Filter      | AM   | C415                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| L202                             | RCiLPA143WJZZY | J       | Coil              | AD   | C416                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| L751                             | RCiLPA143WJZZY | J       | Coil              | AD   | C417                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| L752                             | VPCNN470J5R4NY | J       | Peaking 47μH      | AB   | C418                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| L2201                            | VPCNN2R7JR85NY | J       | Peaking 2.7μH     | AB   | C419                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   |
| L2202                            | VPCNN2R7JR85NY | J       | Peaking 2.7μH     | AB   | C420                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| <b>CAPACITORS</b>                |                |         |                   |      | C421                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C101                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C501                             | VCEASX0JN226MY | J 22    | 6.3V Electrolytic | AB   |
| C102                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C504                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C104                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C505                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C106                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C506                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C107                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C507                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C109                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C510                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C110                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C511                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C111                             | VCEASX0JN227MY | J 220   | 6.3V Electrolytic | AC   | C512                             | VCEASX0JN226MY | J 22    | 6.3V Electrolytic | AB   |
| C113                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C513                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C116                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C514                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C117                             | VCEASX0JN107MY | J 100   | 6.3V Electrolytic | AC   | C515                             | VCKYCY1HB102KY | J 1000p | 50V Ceramic       | AA   |
| C118                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C517                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C119                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C518                             | VCKYCY1HB102KY | J 1000p | 50V Ceramic       | AA   |
| C121                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C519                             | VCCCCY1HH8R0DY | J 8p    | 50V Ceramic       | AA   |
| C122                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   | C520                             | VCCCCY1HH8R0DY | J 8p    | 50V Ceramic       | AA   |
| C123                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C521                             | VCEASX0JN226MY | J 22    | 6.3V Electrolytic | AB   |
| C124                             | VCEASX0JN107MY | J 100   | 6.3V Electrolytic | AC   | C522                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C126                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   | C523                             | VCEASX0JN226MY | J 22    | 6.3V Electrolytic | AB   |
| C127                             | VCKYCY1CB223KY | J 0.022 | 16V Ceramic       | AB   | C524                             | VCEASX0JN226MY | J 22    | 6.3V Electrolytic | AB   |
| C128                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C525                             | VCEASX0JN226MY | J 22    | 6.3V Electrolytic | AB   |
| C151                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C535                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C152                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   | C536                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C161                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C547                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C162                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C548                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C163                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C549                             | VCEASX0JN107MY | J 100   | 6.3V Electrolytic | AC   |
| C201                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   | C550                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C203                             | VCKYCY1HF333ZY | J 0.033 | 50V Ceramic       | AA   | C551                             | VCEASX0JN107MY | J 100   | 6.3V Electrolytic | AC   |
| C204                             | VCEASX1CN476MY | J 47    | 16V Electrolytic  | AC   | C552                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C205                             | VCEASX1CN476MY | J 47    | 16V Electrolytic  | AC   | C554                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C206                             | VCEASX0JN227MY | J 220   | 6.3V Electrolytic | AC   | C556                             | VCEASX0JN107MY | J 100   | 6.3V Electrolytic | AC   |
| C207                             | VCEASX1HN225MY | J 2.2   | 50V Electrolytic  | AB   | C557                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C208                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   | C558                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C213                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   | C570                             | VCKYCY1CB333KY | J 0.033 | 16V Ceramic       | AA   |
| C215                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   | C571                             | VCCCCY1HH100DY | J 10p   | 50V Ceramic       | AA   |
| C216                             | VCEASX1HN225MY | J 2.2   | 50V Electrolytic  | AB   | C574                             | VCKYCY1CB333KY | J 0.033 | 16V Ceramic       | AA   |
| C217                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C575                             | VCKYCY1CB333KY | J 0.033 | 16V Ceramic       | AA   |
| C218                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C576                             | VCCCCY1HH100DY | J 10p   | 50V Ceramic       | AA   |
| C220                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C578                             | VCKYCY1CB333KY | J 0.033 | 16V Ceramic       | AA   |
| C301                             | VCEASX1HN475MY | J 4.7   | 50V Electrolytic  | AC   | C579                             | VCKYCY1CB223KY | J 0.022 | 16V Ceramic       | AB   |
| C302                             | VCKYCY1HB392KY | J 3900p | 50V Ceramic       | AA   | C580                             | VCKYCY1CB333KY | J 0.033 | 16V Ceramic       | AA   |
| C303                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C581                             | VCCCCY1HH100DY | J 10p   | 50V Ceramic       | AA   |
| C304                             | VCEASX1HN225MY | J 2.2   | 50V Electrolytic  | AB   | C582                             | VCKYCY1CB333KY | J 0.033 | 16V Ceramic       | AA   |
| C305                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C701                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C306                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C702                             | VCEASX1CN476MY | J 47    | 16V Electrolytic  | AC   |
| C331                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C703                             | VCEASX0JN107MY | J 100   | 6.3V Electrolytic | AC   |
| C332                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C704                             | VCEASX1CN476MY | J 47    | 16V Electrolytic  | AC   |
| C358                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C709                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C359                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C710                             | VCEASX1CN476MY | J 47    | 16V Electrolytic  | AC   |
| C360                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C711                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C361                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C712                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C362                             | VCKYTV1EB474KY | J 0.47  | 25V Ceramic       | AC   | C720                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C363                             | VCKYTV1EB474KY | J 0.47  | 25V Ceramic       | AC   | C721                             | VCKYCY1HB471KY | J 470p  | 50V Ceramic       | AA   |
| C366                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C722                             | VCEASX1CN476MY | J 47    | 16V Electrolytic  | AC   |
| C367                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C723                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C368                             | VCKYTV1EB474KY | J 0.47  | 25V Ceramic       | AC   | C724                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C369                             | VCKYTV1EB474KY | J 0.47  | 25V Ceramic       | AC   | C725                             | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C409                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C751                             | VCEASX1HN225MY | J 2.2   | 50V Electrolytic  | AB   |
| C410                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C752                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C411                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C753                             | VCEASX1CN107MY | J 100   | 16V Electrolytic  | AC   |
| C412                             | VCCCCY1HH101JY | J 100p  | 50V Ceramic       | AA   | C754                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C413                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   | C758                             | RC-KZ0075TAZZY | J 2.2   | 16V Ceramic       | AC   |
|                                  |                |         |                   |      | C759                             | VCEASX1HN225MY | J 2.2   | 50V Electrolytic  | AB   |
|                                  |                |         |                   |      | C760                             | VCEASX1CN107MY | J 100   | 16V Electrolytic  | AC   |
|                                  |                |         |                   |      | C761                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
|                                  |                |         |                   |      | C763                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
|                                  |                |         |                   |      | C764                             | VCEASX1HN475MY | J 4.7   | 50V Electrolytic  | AC   |
|                                  |                |         |                   |      | C765                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |

| Ref. No.                          | Part No.       | ★       | Description       | Code |
|-----------------------------------|----------------|---------|-------------------|------|
| <b>DUNT KC860WE05 (LC-13SH1E)</b> |                |         |                   |      |
| <b>DUNT KC860WE04 (LC-15SH1E)</b> |                |         |                   |      |
| <b>MAIN UNIT (Continued)</b>      |                |         |                   |      |
| C766                              | VCAAPC0JJ107MY | J 100   | 6.3V Electrolytic | AE   |
| C801                              | VCEASX1HN105MY | J 1     | 50V Electrolytic  | AB   |
| C802                              | VCKYCY1HB682KY | J 6800p | 50V Ceramic       | AA   |
| C803                              | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C804                              | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C805                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C806                              | VCKYCY1CF334ZY | J 0.33  | 16V Ceramic       | AB   |
| C807                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C808                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C809                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C810                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C811                              | VCCCCY1HH220JY | J 22p   | 50V Ceramic       | AA   |
| C812                              | VCCCCY1HH220JY | J 22p   | 50V Ceramic       | AA   |
| C813                              | VCCCCY1HH220JY | J 22p   | 50V Ceramic       | AA   |
| C814                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C815                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C816                              | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C817                              | RC-KZ0074TAZZY | J 10    | 6.3V Ceramic      | AF   |
| C818                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C819                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C820                              | VCEASX1CN476MY | J 47    | 16V Electrolytic  | AC   |
| C821                              | VCKYCY1HB102KY | J 1000p | 50V Ceramic       | AA   |
| C822                              | VCEASX0JN107MY | J 100   | 6.3V Electrolytic | AC   |
| C823                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C825                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C826                              | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C827                              | RC-KZ0074TAZZY | J 10    | 6.3V Ceramic      | AF   |
| C828                              | RC-KZ0074TAZZY | J 10    | 6.3V Ceramic      | AF   |
| C829                              | RC-KZ0074TAZZY | J 10    | 6.3V Ceramic      | AF   |
| C830                              | VCCCCY1HH470JY | J 47p   | 50V Ceramic       | AA   |
| C831                              | VCCCCY1HH470JY | J 47p   | 50V Ceramic       | AA   |
| C832                              | VCCCCY1HH470JY | J 47p   | 50V Ceramic       | AA   |
| C833                              | VCKYCY1HB271KY | J 270p  | 50V Ceramic       | AA   |
| C834                              | VCKYCY1HB271KY | J 270p  | 50V Ceramic       | AA   |
| C835                              | VCKYCY1HB271KY | J 270p  | 50V Ceramic       | AA   |
| C1104                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1106                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1107                             | RC-KZA041WJZZY | J 10    | 10V Ceramic       | AC   |
| C1108                             | VCCCCY1HH560JY | J 56p   | 50V Ceramic       | AB   |
| C1109                             | RC-KZA041WJZZY | J 10    | 10V Ceramic       | AC   |
| C1110                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1113                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   |
| C1116                             | VCKYTV1CB105KY | J 1     | 16V Ceramic       | AC   |
| C1117                             | VCKYTV1CB105KY | J 1     | 16V Ceramic       | AC   |
| C1118                             | VCKYCY1EB104KY | J 0.1   | 25V Ceramic       | AB   |
| C1119                             | RC-KZA041WJZZY | J 10    | 10V Ceramic       | AC   |
| C1120                             | VCEASY1HN106MY | J 10    | 50V Electrolytic  | AC   |
| C1202                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1203                             | RC-KZ0117TAZZY | J 4.7   | 6.3V Ceramic      | AD   |
| C1210                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1213                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1214                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1215                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1216                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C2201                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C2202                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   |
| C2203                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C2204                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   |
| C2205                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C2206                             | VCCCCY1HH470JY | J 47p   | 50V Ceramic       | AA   |

**RESISTORS**

|      |                |        |                   |    |
|------|----------------|--------|-------------------|----|
| R101 | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA |
| R102 | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA |
| R103 | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA |
| R104 | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA |
| R105 | VRS-CY1JF153JY | J 15k  | 1/16W Metal Oxide | AA |
| R106 | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA |
| R107 | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA |
| R108 | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA |
| R109 | VRS-CY1JF222JY | J 2.2k | 1/16W Metal Oxide | AA |

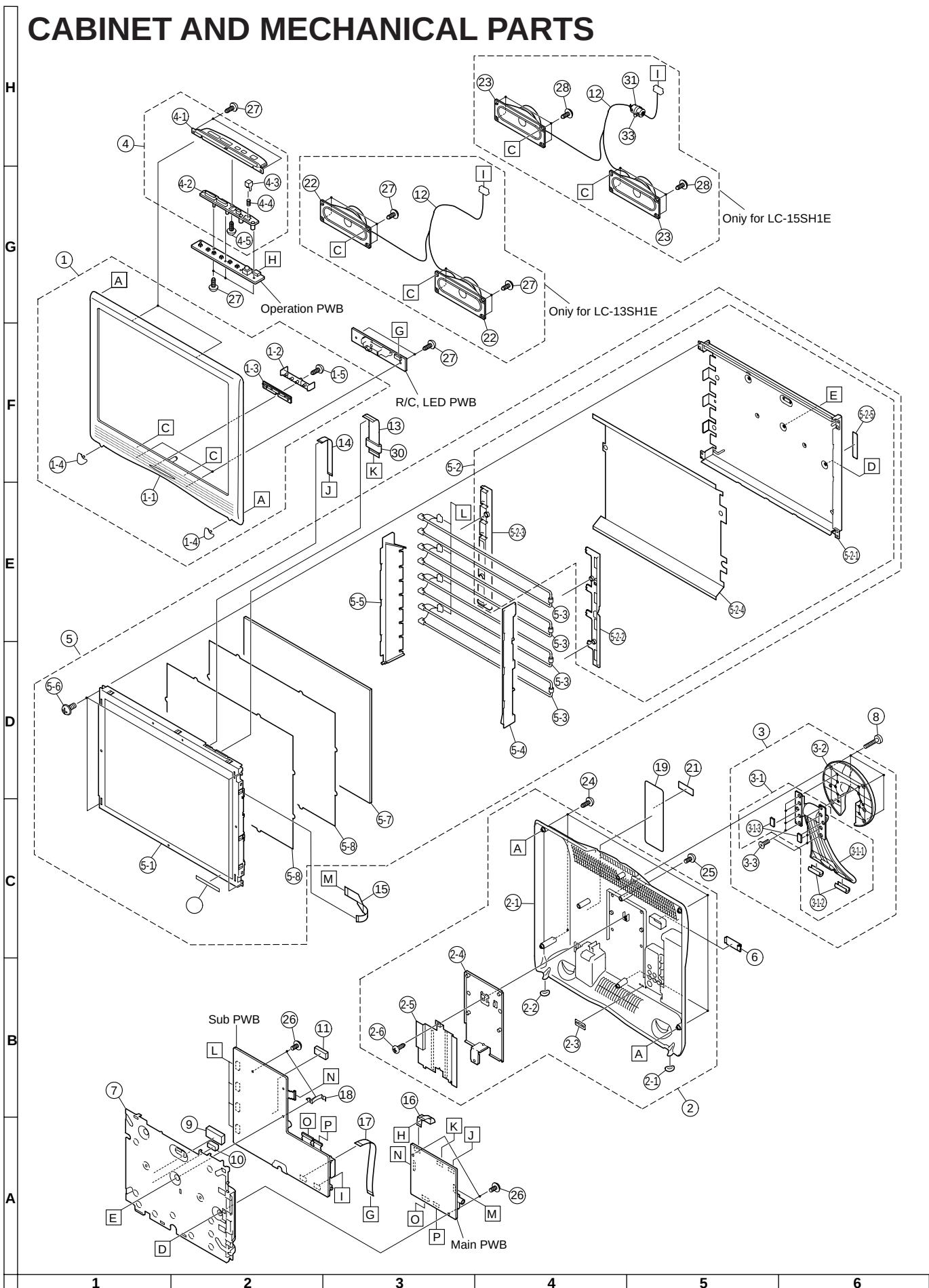
| Ref. No. | Part No.       | ★      | Description       | Code |
|----------|----------------|--------|-------------------|------|
| R111     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R113     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R114     | VRS-CY1JF2R2JY | J 2.2  | 1/16W Metal Oxide | AA   |
| R115     | VRS-CY1JF2R2JY | J 2.2  | 1/16W Metal Oxide | AA   |
| R116     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R117     | VRS-CY1JF2R2JY | J 2.2  | 1/16W Metal Oxide | AA   |
| R118     | VRS-CY1JF2R2JY | J 2.2  | 1/16W Metal Oxide | AA   |
| R119     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R120     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R122     | VRS-CY1JF153JY | J 15k  | 1/16W Metal Oxide | AA   |
| R123     | VRS-CY1JF102JY | J 1k   | 1/16W Metal Oxide | AA   |
| R124     | VRS-CY1JF154JY | J 150k | 1/16W Metal Oxide | AA   |
| R125     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R126     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R127     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R129     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R131     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R132     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R133     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R134     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R136     | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   |
| R137     | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   |
| R138     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R139     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R140     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R141     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R142     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R143     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R144     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R145     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R146     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R147     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R148     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R149     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R151     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R152     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R161     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R164     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R201     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R202     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R203     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R204     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R205     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R206     | VRS-CY1JF473JY | J 47k  | 1/16W Metal Oxide | AA   |
| R207     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R208     | VRS-CY1JF392JY | J 3.9k | 1/16W Metal Oxide | AA   |
| R209     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R210     | VRS-CY1JF153JY | J 15k  | 1/16W Metal Oxide | AA   |
| R211     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R212     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R217     | VRS-CY1JF102JY | J 1k   | 1/16W Metal Oxide | AA   |
| R218     | VRS-CY1JF681JY | J 680  | 1/16W Metal Oxide | AA   |
| R219     | VRS-CJ1JF102JY | J 1k   | 1/16W Metal Oxide | AA   |
| R220     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R221     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R224     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R237     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R239     | VRS-CY1JF222JY | J 2.2k | 1/16W Metal Oxide | AA   |
| R301     | VRS-CY1JF391JY | J 390  | 1/16W Metal Oxide | AA   |
| R302     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R303     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R304     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R305     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R306     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R362     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R363     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R364     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R365     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R366     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R367     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R368     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R369     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R370     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R371     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R423     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |

| Ref. No.                         | Part No.       | ★      | Description       | Code | Ref. No.                   | Part No.       | ★      | Description        | Code |
|----------------------------------|----------------|--------|-------------------|------|----------------------------|----------------|--------|--------------------|------|
| <b>DUNTKC860WE05 (LC-13SH1E)</b> |                |        |                   |      | R833                       | VRS-CY1JF121JY | J 120  | 1/16W Metal Oxide  | AA   |
| <b>DUNTKC860WE04 (LC-15SH1E)</b> |                |        |                   |      | R834                       | VRS-CY1JF750JY | J 75   | 1/16W Metal Oxide  | AA   |
| <b>MAIN UNIT (Continued)</b>     |                |        |                   |      | R835                       | VRS-CY1JF750JY | J 75   | 1/16W Metal Oxide  | AA   |
| R544                             | VRS-CY1JF823JY | J 82k  | 1/16W Metal Oxide | AA   | R836                       | VRS-CY1JF750JY | J 75   | 1/16W Metal Oxide  | AA   |
| R548                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1101                      | VRS-CY1JF273JY | J 27k  | 1/16W Metal Oxide  | AA   |
| R549                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1102                      | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide  | AA   |
| R550                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1103                      | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide  | AA   |
| R551                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1104                      | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide  | AA   |
| R552                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1112                      | VRS-CY1JF181JY | J 180  | 1/16W Metal Oxide  | AA   |
| R553                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1113                      | VRS-CY1JF102JY | J 1k   | 1/16W Metal Oxide  | AA   |
| R554                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1114                      | VRS-CY1JF181JY | J 180  | 1/16W Metal Oxide  | AA   |
| R555                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1117                      | VRS-TW2HF5R6JY | J 5.6  | 1/2W Metal Oxide   | AA   |
| R557                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1118                      | VRS-TW2HF5R6JY | J 5.6  | 1/2W Metal Oxide   | AA   |
| R558                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1121                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R559                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1122                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R570                             | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide | AA   | R1123                      | VRS-TW2HF000JY | J 0    | 1/2W Metal Oxide   | AA   |
| R571                             | VRS-CY1JF470JY | J 47   | 1/16W Metal Oxide | AA   | R1124                      | VRS-TW2HF101JY | J 100  | 1/2W Metal Oxide   | AA   |
| R573                             | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide | AA   | R1126                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R574                             | VRS-CY1JF470JY | J 47   | 1/16W Metal Oxide | AA   | R1128                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R575                             | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide | AA   | R1129                      | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide  | AA   |
| R576                             | VRS-CY1JF470JY | J 47   | 1/16W Metal Oxide | AA   | R1130                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R577                             | VRS-CY1JF123JY | J 12k  | 1/16W Metal Oxide | AA   | R1203                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R701                             | VRS-CY1JF121JY | J 120  | 1/16W Metal Oxide | AA   | R1204                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R702                             | VRS-CY1JF271JY | J 270  | 1/16W Metal Oxide | AA   | R1205                      | VRK-CD1JJ220JY | J 22   | 1/16W Metal Compo. | AC   |
| R704                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | R1206                      | VRK-CD1JJ220JY | J 22   | 1/16W Metal Compo. | AC   |
| R705                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1207                      | VRK-CD1JJ220JY | J 22   | 1/16W Metal Compo. | AC   |
| R709                             | VRS-TW2HF000JY | J 0    | 1/2W Metal Oxide  | AA   | R1208                      | VRS-CY1JF220JY | J 22   | 1/16W Metal Oxide  | AA   |
| R710                             | VRS-CY1JF271JY | J 270  | 1/16W Metal Oxide | AA   | R1209                      | VRS-CY1JF220JY | J 22   | 1/16W Metal Oxide  | AA   |
| R711                             | VRS-CY1JF471JY | J 470  | 1/16W Metal Oxide | AA   | R1210                      | VRS-CA1JF220JY | J 22   | 1/16W Metal Oxide  | AA   |
| R716                             | VRS-TW2HF101JY | J 100  | 1/2W Metal Oxide  | AA   | R1211                      | VRS-CA1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R717                             | VRS-TW2HF101JY | J 100  | 1/2W Metal Oxide  | AA   | R1214                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R718                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1215                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R751                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | R1216                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R752                             | VRS-CY1JF272JY | J 2.7k | 1/16W Metal Oxide | AA   | R1217                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R753                             | VRS-TW2ED102JY | J 1k   | 1/4W Metal Oxide  | AA   | R1218                      | VRS-CY1JF220JY | J 22   | 1/16W Metal Oxide  | AA   |
| R754                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | R1223                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R755                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | R1230                      | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide  | AA   |
| R757                             | VRS-TW2ED103JY | J 10k  | 1/4W Metal Oxide  | AA   | R1240                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R761                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | R1241                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R762                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | R1242                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R764                             | VRS-CY1JF223JY | J 22k  | 1/16W Metal Oxide | AA   | R1243                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R766                             | VRS-TW2HF330JY | J 33   | 1/2W Metal Oxide  | AA   | R2203                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R767                             | VRS-TW2HF472JY | J 4.7k | 1/2W Metal Oxide  | AA   | R2204                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R769                             | VRS-CY1JF562JY | J 5.6k | 1/16W Metal Oxide | AA   | R2205                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R801                             | VRS-CY1JF102JY | J 1k   | 1/16W Metal Oxide | AA   | R2206                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R802                             | VRS-CY1JF123JY | J 12k  | 1/16W Metal Oxide | AA   | R2207                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R803                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | R2208                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R804                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | R2224                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R805                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | R2225                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R806                             | VRS-CY1JF105JY | J 1 M  | 1/16W Metal Oxide | AA   | R2226                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R807                             | VRS-CY1JF393JY | J 39k  | 1/16W Metal Oxide | AA   | R2227                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R808                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | R2228                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R809                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | R2232                      | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide  | AA   |
| R810                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | R2233                      | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide  | AA   |
| R811                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | <b>MISCELLANEOUS PARTS</b> |                |        |                    |      |
| R812                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB101                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R813                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB102                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R814                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB103                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R815                             | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide | AA   | FB104                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R816                             | VRS-CY1JF273JY | J 27k  | 1/16W Metal Oxide | AA   | FB105                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R817                             | VRS-CY1JF473JY | J 47k  | 1/16W Metal Oxide | AA   | FB106                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R819                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | FB107                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R820                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | FB108                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R821                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | FB109                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R822                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | FB151                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R823                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | FB201                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R824                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | FB204                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R825                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | FB401                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R826                             | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA   | FB501                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R827                             | VRS-CY1JF473JY | J 47k  | 1/16W Metal Oxide | AA   | FB502                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R828                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB504                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R829                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB507                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R830                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB508                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R831                             | VRS-CY1JF121JY | J 120  | 1/16W Metal Oxide | AA   | FB531                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R832                             | VRS-CY1JF121JY | J 120  | 1/16W Metal Oxide | AA   |                            |                |        |                    |      |

| Ref. No.                         | Part No.       | ★ | Description       | Code |
|----------------------------------|----------------|---|-------------------|------|
| <b>DUNTKC860WE05 (LC-13SH1E)</b> |                |   |                   |      |
| <b>DUNTKC860WE04 (LC-15SH1E)</b> |                |   |                   |      |
| <b>MAIN UNIT (Continued)</b>     |                |   |                   |      |
| FB532                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB533                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB535                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB801                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB802                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB803                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB804                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB805                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB806                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB807                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB808                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB809                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB1201                           | RBLN-0083GEZZY | J | Ferrite Bead      | AB   |
| P2002                            | QPLGNA144WJZZY | J | Plug, 20-pin      | AF   |
| SC102                            | QCNCWA010WJZZY | J | Connector, 15-pin | AE   |
| SC104                            | QCNCWA010WJZZY | J | Connector, 15-pin | AE   |
| SC105                            | QSOCN0596REZZ  | J | Socket, 5-pin     | AB   |
| SC106                            | QCNCWA251WJZZY | S | Connector, 23-pin | AF   |
| SC1201                           | QSOCNA002WJPZY | J | Socket, 20-pin    | AD   |
| SC1202                           | QSOCN0687FJZZY | J | Socket, 50-pin    | AF   |
| SC1203                           | QSOCN0206FJZZY | J | Socket, 30-pin    | AF   |
| TP101                            | QLUGHA006WJZZY | J | Lug               | AC   |
| TP102                            | QLUGHA006WJZZY | J | Lug               | AC   |

| Ref. No.                                            | Part No.      | ★ | Description                               | Code | Ref. No. | Part No.      | ★ | Description    | Code |
|-----------------------------------------------------|---------------|---|-------------------------------------------|------|----------|---------------|---|----------------|------|
| <b>CABINET AND MECHANICAL PARTS<br/>(LC-13SH1E)</b> |               |   |                                           |      | 30       | RCORFA032WJZZ | J | Ferrite Core   | AK   |
|                                                     |               |   |                                           |      | 35       | GCOVHA069WJKA |   | AC Holder      |      |
|                                                     |               |   |                                           |      | 36       | LHLDK0002PEK0 | J | AC Cord Holder | AA   |
| 1                                                   | CCABAA755WJ01 |   | Cabinet A Ass'y                           |      |          |               |   |                |      |
| 1-1                                                 | Not Available | — | Cabinet A                                 | —    |          |               |   |                |      |
| 1-2                                                 | HDECQA452WJSA |   | R/C, LED Cover                            |      |          |               |   |                |      |
| 1-3                                                 | HDECQA459WJSA |   | LED Cover                                 |      |          |               |   |                |      |
| 1-4                                                 | HDECQA478WJSA |   | Leg Cover, x2                             |      |          |               |   |                |      |
| 1-5                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                |      |
| 2                                                   | CCABBA485WJ01 |   | Cabinet B Ass'y                           |      |          |               |   |                |      |
| 2-1                                                 | Not Available | — | Cabinet B                                 | —    |          |               |   |                |      |
| 2-2                                                 | GLEGGA042WJZZ |   | Rubber Leg, x2                            |      |          |               |   |                |      |
| 2-3                                                 | LANGFA085WJFW | J | Kensington Angle                          | AC   |          |               |   |                |      |
| 2-4                                                 | LANGTA159WJFW |   | Reinforcement Angle                       |      |          |               |   |                |      |
| 2-5                                                 | PZETKA109WJZZ |   | Insulating Spacer, x1                     |      |          |               |   |                |      |
| 2-6                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                |      |
| 3                                                   | CDAi-A154WJ01 |   | Stand Ass'y                               |      |          |               |   |                |      |
| 3-1                                                 | CDAi-A154WJ02 |   | Stand Base Ass'y                          |      |          |               |   |                |      |
| 3-1-1                                               | GDAi-A154WJSA |   | Stand Base                                |      |          |               |   |                |      |
| 3-1-2                                               | GLEGGA041WJSA |   | Rubber Leg, x2                            |      |          |               |   |                |      |
| 3-1-3                                               | PSPAZA083WJZZ | J | Spacer, x2                                | AB   |          |               |   |                |      |
| 3-2                                                 | GCOVAB023WJSA |   | Stand Cover                               |      |          |               |   |                |      |
| 3-3                                                 | XESSN40P10000 | J | Screw, x8                                 | AB   |          |               |   |                |      |
| 4                                                   | CCOVAB201WJ01 |   | Top Cover Ass'y                           |      |          |               |   |                |      |
| 4-1                                                 | Not Available | — | Top Cover                                 | —    |          |               |   |                |      |
| 4-2                                                 | JBTA-A353WJSA |   | Operation Button                          |      |          |               |   |                |      |
| 4-3                                                 | JBTA-A354WJSA |   | Power Button                              |      |          |               |   |                |      |
| 4-4                                                 | MSPRCA014WJFW | J | Spring, for Power Button                  | AB   |          |               |   |                |      |
| 4-5                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                |      |
| 5                                                   | Not Available | — | 13" LCD Panel Unit Ass'y                  | —    |          |               |   |                |      |
| 5-1                                                 | RLCDA023WJZZ  | J | 13" LCD Panel Unit                        | CQ   |          |               |   |                |      |
| 5-2                                                 | Not Available | — | Back Shield Ass'y                         | —    |          |               |   |                |      |
| 5-2-1                                               | PSLDMA542WJFW |   | Back Shield                               |      |          |               |   |                |      |
| 5-2-2                                               | LHLDZA429WJKZ | J | Lamp Holder-R(Bottom)                     | AF   |          |               |   |                |      |
| 5-2-3                                               | LHLDZA435WJKZ | J | Lamp Holder-L(Bottom)                     | AF   |          |               |   |                |      |
| 5-2-4                                               | PSHEPA229WJZZ | J | Reflection Sheet                          | AK   |          |               |   |                |      |
| 5-2-5                                               | TCAUZA031WJZZ | J | Caution Label                             | AB   |          |               |   |                |      |
| 5-2-6                                               | PMLT-A149WJZZ | J | Light Shielding Spacer, x2                | AB   |          |               |   |                |      |
| △ 5-3                                               | KLMP-A048WJZZ | J | Lamp Unit, x4                             | AV   |          |               |   |                |      |
| 5-4                                                 | LHLDZA433WJKZ | J | Lamp Holder-R(Top)                        | AH   |          |               |   |                |      |
| 5-5                                                 | LHLDZA434WJKZ | J | Lamp Holder-L(Top)                        | AH   |          |               |   |                |      |
| 5-6                                                 | LX-BZA084WJF7 | J | Screw, x4                                 | AA   |          |               |   |                |      |
| 5-7                                                 | PCOVUA047WJZZ | J | Diffusion Plate, x1                       | AT   |          |               |   |                |      |
| 5-8                                                 | PSHEPA230WJZZ | J | Diffusion Sheet, x2                       | AH   |          |               |   |                |      |
| 6                                                   | GCOVAA984WJKA | S | Bass-Conne Cover                          | AD   |          |               |   |                |      |
| 7                                                   | LCHSMA146WJKA | S | Chassis Frame                             | AR   |          |               |   |                |      |
| 8                                                   | LX-BZ3442CEF9 | J | Screw, x4                                 | AB   |          |               |   |                |      |
| 9                                                   | PSPAZA640WJKZ | S | Spacer, x1                                | AL   |          |               |   |                |      |
| 10                                                  | PSPAZA641WJKZ | S | Spacer, x1                                | AF   |          |               |   |                |      |
| 11                                                  | PSPAZA642WJKZ | S | Spacer, x1                                | AH   |          |               |   |                |      |
| 12                                                  | QCNW-D115WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 13                                                  | QCNW-D228WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 14                                                  | QCNW-D229WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 15                                                  | QCNW-D231WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 16                                                  | QCNW-D362WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 17                                                  | QCNW-D363WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 18                                                  | QEARPA132WJFW |   | Grounding Part, x1                        |      |          |               |   |                |      |
| 19                                                  | TLABMB319WJZZ |   | Model Label<br>(LC-13SH1E/E(F)/E(K)/E(R)) |      |          |               |   |                |      |
| 19                                                  | TLABMB475WJZZ |   | Model Label(LC-13SH1E(I))                 |      |          |               |   |                |      |
| 20                                                  | TLABNB105WJZZ |   | EICTA Label                               |      |          |               |   |                |      |
| 21                                                  | Not Available | — | Serial No. Label                          | —    |          |               |   |                |      |
| 22                                                  | VSP7530PB678B | J | Speaker, x2                               | AL   |          |               |   |                |      |
| 24                                                  | XEBS930P14000 | J | Screw, x5                                 | AA   |          |               |   |                |      |
| 25                                                  | XHBS830P10000 | S | Screw, x1                                 | AA   |          |               |   |                |      |
| 26                                                  | XHPS730P08WS0 | J | Screw, x4                                 | AA   |          |               |   |                |      |
| 27                                                  | XEBNS30P08000 | J | Screw, x15                                | AA   |          |               |   |                |      |
| 29                                                  | TLABSA029WJZZ | J | GOST Label<br>(LC-13SH1E(R))              | AF   |          |               |   |                |      |

# CABINET AND MECHANICAL PARTS



| Ref. No.                                            | Part No.      | ★ | Description                               | Code | Ref. No. | Part No.      | ★ | Description                  | Code |
|-----------------------------------------------------|---------------|---|-------------------------------------------|------|----------|---------------|---|------------------------------|------|
| <b>CABINET AND MECHANICAL PARTS<br/>(LC-15SH1E)</b> |               |   |                                           |      | 29       | TLABSA029WJZZ | J | GOST Label<br>(LC-15SH1E(R)) | AF   |
|                                                     |               |   |                                           |      | 30       | RCORFA032WJZZ | J | Ferrite Core                 | AK   |
|                                                     |               |   |                                           |      | 31       | RCORF0103CEZZ | J | Ferrite Core                 | AK   |
|                                                     |               |   |                                           |      | 32       | PSPAZA677WJZZ |   | Spacer, x1                   |      |
|                                                     |               |   |                                           |      | 33       | LHLDW1033CEKZ | J | Wire Holder                  | AA   |
|                                                     |               |   |                                           |      | 34       | PSLDMA694WJZZ |   | Shield                       |      |
| 1                                                   | CCABAA754WJ01 |   | Cabinet A Ass'y                           |      |          |               |   |                              |      |
| 1-1                                                 | Not Available | — | Cabinet A                                 | —    |          |               |   |                              |      |
| 1-2                                                 | HDECQA452WJSA |   | R/C, LED Cover                            |      |          |               |   |                              |      |
| 1-3                                                 | HDECQA459WJSA |   | LED Cover                                 |      |          |               |   |                              |      |
| 1-4                                                 | HDECQA478WJSA |   | Leg Cover, x2                             |      |          |               |   |                              |      |
| 1-5                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                              |      |
| 2                                                   | CCABBA484WJ01 |   | Cabinet B Ass'y                           |      |          |               |   |                              |      |
| 2-1                                                 | Not Available | — | Cabinet B                                 | —    |          |               |   |                              |      |
| 2-2                                                 | GLEGGA042WJZZ |   | Rubber Leg, x2                            |      |          |               |   |                              |      |
| 2-3                                                 | LANGFA085WJFW | J | Kensington Angle                          | AC   |          |               |   |                              |      |
| 2-4                                                 | LANGTA158WJFW |   | Reinforcement Angle                       |      |          |               |   |                              |      |
| 2-5                                                 | PZETKA109WJZZ |   | Insulating Spacer                         |      |          |               |   |                              |      |
| 2-6                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                              |      |
| 3                                                   | CDAi-A153WJ01 |   | Stand Ass'y                               |      |          |               |   |                              |      |
| 3-1                                                 | CDAi-A153WJ02 |   | Stand Base Ass'y                          |      |          |               |   |                              |      |
| 3-1-1                                               | GDAi-A153WJSA |   | Stand Base                                |      |          |               |   |                              |      |
| 3-1-2                                               | GLEGGA041WJSA |   | Rubber Leg, x2                            |      |          |               |   |                              |      |
| 3-1-3                                               | PSPAZA083WJZZ | J | Spacer, x2                                | AB   |          |               |   |                              |      |
| 3-2                                                 | GCOVAB023WJSA |   | Stand Cover                               |      |          |               |   |                              |      |
| 3-3                                                 | XESSN40P10000 | J | Screw, x8                                 | AB   |          |               |   |                              |      |
| 4                                                   | CCOVAA976WJ01 | S | Top Cover Ass'y                           | AP   |          |               |   |                              |      |
| 4-1                                                 | Not Available | — | Top Cover                                 | —    |          |               |   |                              |      |
| 4-2                                                 | JBTA-A353WJSA |   | Operation Button                          |      |          |               |   |                              |      |
| 4-3                                                 | JBTA-A354WJSA |   | Power Button                              |      |          |               |   |                              |      |
| 4-4                                                 | MSPRCA014WJFW | J | Spring, for Power Button                  | AB   |          |               |   |                              |      |
| 4-5                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                              |      |
| 5                                                   | Not Available | — | 15" LCD Panel Unit Ass'y                  | —    |          |               |   |                              |      |
| 5-1                                                 | RLCDA024WJZZ  | J | 15" LCD Panel Unit                        | CT   |          |               |   |                              |      |
| 5-2                                                 | Not Available | — | Back Shield Ass'y                         | —    |          |               |   |                              |      |
| 5-2-1                                               | PSLDMA541WJFW |   | Back Shield                               |      |          |               |   |                              |      |
| 5-2-2                                               | LHLDZA425WJKZ | J | Lamp Holder-R(Bottom)                     | AF   |          |               |   |                              |      |
| 5-2-3                                               | LHLDZA426WJKZ | J | Lamp Holder-L(Bottom)                     | AF   |          |               |   |                              |      |
| 5-2-4                                               | PSHEPA228WJZZ | J | Reflection Sheet                          | AL   |          |               |   |                              |      |
| 5-2-5                                               | TCAUZA031WJZZ | J | Caution Label                             | AB   |          |               |   |                              |      |
| △ 5-3                                               | KLMP-A047WJZZ | J | Lamp Unit, x4                             | AV   |          |               |   |                              |      |
| 5-4                                                 | LHLDZA423WJKZ | J | Lamp Holder-L(Top)                        | AK   |          |               |   |                              |      |
| 5-5                                                 | LHLDZA424WJKZ | J | Lamp Holder-R(Top)                        | AH   |          |               |   |                              |      |
| 5-6                                                 | LX-BZA084WJF7 | J | Screw, x4                                 | AA   |          |               |   |                              |      |
| 5-7                                                 | PCOVUA046WJZZ | J | Diffusion Plate, x1                       | AV   |          |               |   |                              |      |
| 5-8                                                 | PSHEPA227WJZZ | J | Diffusion Sheet, x2                       | AK   |          |               |   |                              |      |
| 5-9                                                 | PSPAKA045WJZZ | J | Insulating Spacer                         | AB   |          |               |   |                              |      |
| 6                                                   | GCOVAA984WJKA | S | Bass-Conne Cover                          | AD   |          |               |   |                              |      |
| 7                                                   | LCHSMA146WJKA | S | Chassis Frame                             | AR   |          |               |   |                              |      |
| 8                                                   | LX-BZ3442CEF9 | J | Screw, x4                                 | AB   |          |               |   |                              |      |
| 9                                                   | PSPAZA640WJKZ | S | Spacer, x1                                | AL   |          |               |   |                              |      |
| 10                                                  | PSPAZA641WJKZ | S | Spacer, x1                                | AF   |          |               |   |                              |      |
| 11                                                  | PSPAZA642WJKZ | S | Spacer, x1                                | AH   |          |               |   |                              |      |
| 12                                                  | QCNW-D114WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 13                                                  | QCNW-D228WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 14                                                  | QCNW-D229WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 15                                                  | QCNW-D230WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 16                                                  | QCNW-D362WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 17                                                  | QCNW-D363WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 18                                                  | QEARPA132WJFW |   | Grounding Part                            |      |          |               |   |                              |      |
| 19                                                  | TLABMB318WJZZ |   | Model Label<br>(LC-15SH1E/E(F)/E(K)/E(R)) |      |          |               |   |                              |      |
| 19                                                  | TLABMB474WJZZ |   | Model Label(LC-15SH1E(I))                 |      |          |               |   |                              |      |
| 20                                                  | TLABZA792WJZZ |   | EICTA Label                               |      |          |               |   |                              |      |
| 21                                                  | Not Available | — | Serial No. Label                          | —    |          |               |   |                              |      |
| 23                                                  | VSP1104PB038A | J | Speaker, x2                               | AK   |          |               |   |                              |      |
| 24                                                  | XEBS930P14000 | J | Screw, x5                                 | AA   |          |               |   |                              |      |
| 25                                                  | XHBS830P10000 | S | Screw, x1                                 | AA   |          |               |   |                              |      |
| 26                                                  | XHPS730P08WS0 | J | Screw, x4                                 | AA   |          |               |   |                              |      |
| 27                                                  | XEBNS30P08000 | J | Screw, x7                                 | AA   |          |               |   |                              |      |
| 28                                                  | XEBNS40P10000 | J | Screw, x8                                 | AB   |          |               |   |                              |      |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

## SUPPLIED ACCESSORIES

|      |               |   |                                                   |    |
|------|---------------|---|---------------------------------------------------|----|
| △ X1 | QACCBA016WJPZ | J | AC Cord (LC-15SH1E(K))                            | AR |
| △ X1 | QACCBA024WJPZ | J | AC Cord (LC-13SH1E(K))                            | AS |
| △ X1 | QACCKA006WJPZ | J | AC Cord (LC-15SH1E/E (F)/E(I)/E(R))               | AL |
| △ X1 | QACCZA019WJPZ | J | AC Cord (LC-13SH1E/E (F)/E(I)/E(R))               | AH |
| X2   | RRMCGA339WJSA |   | Wireless Remote Control                           |    |
| X3   | TiNS-B517WJN1 |   | Operation Manual                                  |    |
| X4   | TiNS-B634WJN1 |   | Instruction Book(LC-13SH1E/ E(F), LC-15SH1E(E(F)) |    |
| X5   | TiNS-B635WJN1 |   | Instruction Book(LC-13SH1E, LC-15SH1E)            |    |
| X6   | TiNS-B800WJZZ |   | Instruction Book(LC-13SH1E (R), LC-15SH1E(R))     |    |
| X7   | TGAN-1688CEN1 | J | Guarantee Card(LC-13SH1E (K), LC-15SH1E(K))       | AN |
| X8   | TGAN-A077WJZZ | J | Guarantee Card(LC-13SH1E (R), LC-15SH1E(R))       | AE |
| X9   | Not Available | — | "AA" Size Battery, x2                             | —  |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

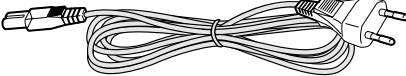
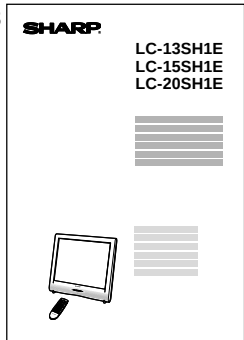
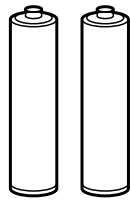
## PACKING PARTS (NOT REPLACEMENT ITEM)

|    |               |   |                                                   |   |
|----|---------------|---|---------------------------------------------------|---|
| S1 | SPAKCB717WJZZ | — | Packing Case(LC-15SH1E)                           | — |
| S1 | SPAKCB718WJZZ | — | Packing Case(LC-13SH1E)                           | — |
| S2 | SPAKPA465WJZZ | — | Wrapping Paper (LC-15SH1E)                        | — |
| S2 | SPAKPA466WJZZ | — | Wrapping Paper (LC-13SH1E)                        | — |
| S3 | SPAKXA655WJZZ | — | Buffer Material(LC-15SH1E)                        | — |
| S3 | SPAKXA656WJZZ | — | Buffer Material(LC-13SH1E)                        | — |
| S4 | SSAKAA010WJZZ | — | Polyethylene Bag,(E(I)/E(K)/ E(R)x1, E(F)x2, Ex3) | — |
| S5 | TLABKA002WJZZ | — | Carton Label                                      | — |
| S6 | TLABN0134BMZZ | — | SEES No. Label                                    | — |
| S7 | TLABSA029WJZZ | — | GOST Label (LC-13SH1E(R), LC-15SH1E(R))           | — |

## SERVICE JIGS (USE FOR SERVICING)

|               |   |                                        |    |
|---------------|---|----------------------------------------|----|
| QCNW-A553WJZZ | J | Extension Cable, 30-pin (SC1203-LCD)   | BA |
| QCNW-A556WJZZ | J | Extension Cable, 50-pin (SC1202-LCD)   | AU |
| QCNW-A555WJZZ | J | Extension Cable, 20-pin (SC1201-LCD)   | AU |
| QCNW-D444WJZZ | J | Extension Cable, 5-pin (SC4201-SC105)  |    |
| QCNW-D445WJZZ | J | Extension Cable, 8-pin (SC4001-SC3601) |    |
| JiGiNF-001    | J | Parallel Part-IIC Interface Jig        |    |

## Supplied Accessories

| AC cord                                                                                                                                              | Wireless remote control                                                                       | Operation manual                                                                               | "AA" size batteries (×2)                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <p>X1</p>  <p>*Product shape may vary from country to country.</p> | <p>X2</p>  | <p>X3</p>  | <p>X9</p>  |

# PARTS LIST

## PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by  and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

### "HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- |                 |                |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO.    |
| 3. PART NO.     | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

## PRINTED WIRING BOARD ASSEMBLIES

(NOT REPLACEMENT ITEM)

### LC-13SH1E

|               |                  |   |
|---------------|------------------|---|
| DUNTKC857WE06 | — SUB Unit       | — |
| DUNTKC858WE06 | — OPERATION Unit | — |
| DUNTKC859WE06 | — R/C,LED Unit   | — |
| DUNTKC860FM05 | J MAIN Unit      | — |

### LC-15SH1E

|               |                  |   |
|---------------|------------------|---|
| DUNTKC857WE05 | — SUB Unit       | — |
| DUNTKC858WE05 | — OPERATION Unit | — |
| DUNTKC859WE05 | — R/C,LED Unit   | — |
| DUNTKC860FM04 | J MAIN Unit      | — |

## LCD PANEL

**NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.**

|                |                                  |    |
|----------------|----------------------------------|----|
| RLCDDTA023WJZZ | J 13" LCD Panel Unit (LC-13SH1E) | CQ |
| RLCDDTA024WJZZ | J 15" LCD Panel Unit (LC-15SH1E) | CT |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

## DUNTKC857WE06 (LC-13SH1E)

## DUNTKC857WE05 (LC-15SH1E)

### SUB UNIT

#### INTEGRATED CIRCUITS

|                                                                                          |                |   |             |    |
|------------------------------------------------------------------------------------------|----------------|---|-------------|----|
| IC3301                                                                                   | VHiAN17821A-1  | J | AN17821A    | AH |
| IC7701                                                                                   | VHiSTRW67652E  | J | I.C.        |    |
|  IC7702 | RH-FXA003WJZZ  | J | PC123Y82    | AD |
|  IC7703 | RH-FXA003WJZZ  | J | PC123Y82    | AD |
| IC7704                                                                                   | VHiSE005N++-F  | S | I.C.        | AF |
| IC7705                                                                                   | VHiKA7809AP-1  | J | KIA7809API  | AE |
| IC7706                                                                                   | VHiPQ050ES1-1+ | J | PQ050ES1MXP | AE |

#### TRANSISTORS

|       |                |   |           |    |
|-------|----------------|---|-----------|----|
| Q3300 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3305 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3600 | VSKRC102S//-1Y | J | KRC102S   | AA |
| Q3601 | VSKRC102S//-1Y | J | KRC102S   | AA |
| Q3901 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q3902 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q3903 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3904 | VS2SD1306-E-1Y | J | 2SD1306   | AC |
| Q3905 | VS2SD1306-E-1Y | J | 2SD1306   | AC |
| Q3906 | VS2SD1306-E-1Y | J | 2SD1306   | AC |
| Q3907 | VS2SD1306-E-1Y | J | 2SD1306   | AC |
| Q3908 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q3909 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q6700 | VS2SC6000++-1Y |   | 2SC6000   |    |
| Q6701 | VS2SC6000++-1Y |   | 2SC6000   |    |
| Q6702 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6706 | VSUPA606T//-1Y | J | UPA606T   | AD |
| Q6707 | VS2SC6000++-1Y |   | 2SC6000   |    |
| Q6708 | VS2SC6000++-1Y |   | 2SC6000   |    |
| Q6709 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6713 | VSUPA606T//-1Y | J | UPA606T   | AD |
| Q7701 | VS2SA1013//1E+ | J | 2SA1013   | AD |
| Q7702 | VSKRC104S//-1Y | J | KRC104S   | AA |
| Q7703 | VS2SB1443TV1E+ | J | 2SB1443TV | AE |
| Q7704 | VS2SB1443TV1E+ | J | 2SB1443TV | AE |
| Q7706 | VSKRC101S//-1Y | S | KRC101S   | AA |
| Q7707 | VSKRC104S//-1Y | J | KRC104S   | AA |
| Q7708 | VS2SC2235Y/1E+ | J | 2SC2235Y  | AE |
| Q7710 | VSKRA102S//-1Y | J | KRA102S   | AA |
| Q7711 | VS2SB1443TV1E+ | J | 2SB1443TV | AE |
| Q7712 | VSKRC104S//-1Y | J | KRC104S   | AA |
| Q7713 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q7714 | VSKRC102S//-1Y | J | KRC102S   | AA |

#### DIODES

|       |                |   |                   |    |
|-------|----------------|---|-------------------|----|
| D3300 | VHDDAN202K/-1Y | J | Diode             | AB |
| D3301 | RH-EX0621GEZZY | J | Zener Diode       | AB |
| D3604 | RH-EX0652GEZZY | J | Zener Diode       | AB |
| D3605 | RH-EX0652GEZZY | J | Zener Diode       | AB |
| D3901 | VHDDAN202K/-1Y | J | Diode             | AB |
| D3903 | VHD1SS119//-1Y | J | Diode             | AA |
| D3908 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3911 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3912 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3913 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3914 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3915 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D3916 | RH-EX1244CEZZY | J | Zener Diode       | AB |
| D3917 | RH-EX1244CEZZY | J | Zener Diode       | AB |
| D5000 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D5001 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D5002 | RH-EX0630GEZZY | J | Zener Diode, 9.1V | AA |
| D6701 | VHD1SS355//-1Y | J | Diode             | AB |
| D6703 | VHD1SS355//-1Y | J | Diode             | AB |
| D6705 | VHDDAN202K/-1Y | J | Diode             | AB |
| D6707 | VHDDAN202K/-1Y | J | Diode             | AB |
| D6710 | VHDMA157A//-1Y | J | Diode             | AC |
| D6712 | VHDMA157A//-1Y | J | Diode             | AC |
| D6715 | VHDMA157A//-1Y | J | Diode             | AC |
| D6716 | VHDMA157A//-1Y | J | Diode             | AC |
| D7701 | RH-DX0476CEZZ  | J | Diode             | AG |

| Ref. No.                         | Part No.       | ★ | Description           | Code | Ref. No.         | Part No.       | ★ | Description            | Code |
|----------------------------------|----------------|---|-----------------------|------|------------------|----------------|---|------------------------|------|
| <b>DUNTKC857WE06 (LC-13SH1E)</b> |                |   |                       |      |                  |                |   |                        |      |
| <b>DUNTKC857WE05 (LC-15SH1E)</b> |                |   |                       |      |                  |                |   |                        |      |
| <b>SUB UNIT (Continued)</b>      |                |   |                       |      |                  |                |   |                        |      |
| D7703                            | VHDSF30JC6+1E  | S | Diode                 | AG   | C3908            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7705                            | RH-DX0490CEZZY | J | Diode                 | AC   | C3909            | VCCCCY1HH331JY | J | 330p 50V Ceramic       | AA   |
| D7706                            | RH-DX0490CEZZY | J | Diode                 | AC   | C3910            | VCEAEA1CW106M+ | J | 10 16V Electrolytic    | AB   |
| D7707                            | RH-DX0321CEZZY | J | Diode                 | AC   | C3911            | VCEAEA1CW106M+ | J | 10 16V Electrolytic    | AB   |
| D7708                            | RH-DX0066GEZZY | J | Diode                 | AC   | C3912            | VCCCCY1HH331JY | J | 330p 50V Ceramic       | AA   |
| D7709                            | VHD1SS244/-1Y  | J | Diode                 | AB   | C3913            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7710                            | VHD1SS244/-1Y  | J | Diode                 | AB   | C3914            | VCCCCY1HH221JY | J | 220p 50V Ceramic       | AA   |
| D7711                            | VHD1SS244/-1Y  | J | Diode                 | AB   | C3915            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7714                            | RH-DXA059WJZZ  | S | Diode                 | AD   | C3916            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7715                            | RH-DX0461CEZZ  | J | Diode                 | AG   | C3917            | VCCCCY1HH221JY | J | 220p 50V Ceramic       | AA   |
| D7716                            | VHD10ERB40+-1Y | J | Diode                 | AB   | C3918            | VCEAEA1CW106M+ | J | 10 16V Electrolytic    | AB   |
| D7717                            | VHD10ERB40+-1Y | J | Diode                 | AB   | C5001            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7718                            | RH-DXA059WJZZ  | S | Diode                 | AD   | C5002            | VCCCCY1HH101JY | J | 100p 50V Ceramic       | AA   |
| D7721                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6700            | RC-FZA120WJZZ  |   | 0.47 250V Film         |      |
| D7722                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6703            | VCKYCY1CB333KY | J | 0.033 16V Ceramic      | AA   |
| D7723                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6704            | RC-EZA465WJZZ  | J | 1000 16V Electrltyc    | AE   |
| D7725                            | RH-EX0618GEZZY | J | Zener Diode, 6.2V     | AB   | C6705            | RC-FZA120WJZZ  |   | 0.47 250V Film         |      |
| D7729                            | RH-EX0640GEZZY | J | Zener Diode           | AA   | C6709            | RC-EZA465WJZZ  | J | 1000 16V Electrltyc    | AE   |
| D7731                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6710            | RC-KZ0072TAZZY | J | 1 25V Ceramic          | AC   |
| D7732                            | VHD1SS119/-1Y  | J | Diode                 | AA   | C6711            | RC-KZ0072TAZZY | J | 1 25V Ceramic          | AC   |
| △ VA7701                         | RH-VXA022WJZZ  | J | Varistor              |      | C6715            | VCKYCY1CB333KY | J | 0.033 16V Ceramic      | AA   |
| <b>COILS</b>                     |                |   |                       |      | C6716            | RC-EZA465WJZZ  | J | 1000 16V Electrltyc    | AE   |
| L6700                            | RCiLPA371WJZZ  |   | Coil                  |      | C6718            | RC-EZA465WJZZ  | J | 1000 16V Electrltyc    | AE   |
| L6702                            | RCiLPA371WJZZ  |   | Coil                  |      | C6722            | RC-KZ0072TAZZY | J | 1 25V Ceramic          | AC   |
| △ L7701                          | RCiLFA161WJZZ  | S | Coil                  | AD   | C6723            | RC-KZ0072TAZZY | J | 1 25V Ceramic          | AC   |
| △ L7702                          | RCiLFA162WJZZ  | S | Coil                  | AD   | △ C7701          | RC-FZA022WJZZ  | J | 0.22 275V Film         | AD   |
| L7703                            | RCiLP0175CEZZ+ | J | Coil                  | AD   | △ C7702          | RC-FZA022WJZZ  | J | 0.22 275V Film         | AD   |
| L7704                            | RCiLPA308WJZZ  | S | Coil                  | AD   | C7703            | RC-EZA555WJZZ  | J | 100 400V Electrolytic  | AM   |
| <b>TRANSFORMERS</b>              |                |   |                       |      | C7704            | RC-FZA180WJZZ  | S | 0.1 580V Film          | AC   |
| T6701                            | RTRNZA073WJZZ  |   | Transformer           |      | C7705            | RC-KZA305WJZZ  | S | 560p 2kV Ceramic       | AB   |
| T6702                            | RTRNZA073WJZZ  |   | Transformer           |      | △ C7706          | RC-KZ0105GEZZ  | J | 2200p 250V Ceramic     | AD   |
| T6703                            | RTRNZA073WJZZ  |   | Transformer           |      | △ C7707          | RC-KZ0103GEZZ  | J | 1000p 250V Ceramic     | AD   |
| T6704                            | RTRNZA073WJZZ  |   | Transformer           |      | C7708            | VCEA4A1CN226M+ | J | 22 16V Electrolytic    | AA   |
| △ T7701                          | RTRNWA151WJZZ  |   | Transformer           |      | C7709            | VCQYTA1HM152J+ | J | 1500p 50V Mylar        | AA   |
| <b>CAPACITORS</b>                |                |   |                       |      | C7711            | VCKYPA1HB471K+ | J | 470p 50V Ceramic       | AA   |
| C3305                            | VCEA0A1CW108M+ | J | 1000 16V Electrolytic | AD   | C7712            | VCEA4A1VN476M+ | S | 47 35V Electrolytic    | AB   |
| C3306                            | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB   | C7713            | VCEA4A1VN106M+ | S | 10 35V Electrolytic    | AB   |
| C3307                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7715            | VCQYTA1HM104J+ | J | 0.1 50V Mylar          | AB   |
| C3308                            | VCEAEA1HW105M+ | J | 1 50V Electrolytic    | AB   | C7720            | RC-EZA155WJZZ  | J | 2200 10V Electrolytic  | AE   |
| C3309                            | VCEAEA1HW105M+ | J | 1 50V Electrolytic    | AB   | C7721            | RC-EZA168WJZZ+ | S | 220 25V Electrolytic   | AB   |
| C3310                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7722            | RC-EZA172WJZZ  | J | 1000 25V Electrolytic  | AE   |
| C3313                            | VCEAEA1HW225M+ | J | 2.2 50V Electrolytic  | AB   | C7723            | RC-EZA184WJZZ+ | J | 100 50V Electrolytic   | AD   |
| C3314                            | VCEAEA1HW225M+ | J | 2.2 50V Electrolytic  | AB   | C7724            | VCEA4A1AN108M  | J | 1000 10V Electrolytic  | AD   |
| C3317                            | VCEAEA1HW225M+ | J | 2.2 50V Electrolytic  | AB   | C7725            | RC-EZA172WJZZ  | J | 1000 25V Electrolytic  | AE   |
| C3318                            | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB   | C7727            | RC-EZA172WJZZ  | J | 1000 25V Electrolytic  | AE   |
| C3319                            | VCEAEA1CW476M+ | J | 47 16V Electrolytic   | AB   | C7728            | RC-EZA153WJZZ+ | J | 1000 10V Electrolytic  | AD   |
| C3320                            | VCEAEA1CW476M+ | J | 47 16V Electrolytic   | AB   | C7729            | RC-EZA172WJZZ  | J | 1000 25V Electrolytic  | AE   |
| C3321                            | VCKYCY1HB103KY | J | 0.01 50V Ceramic      | AA   | C7731            | VCEA4A1CN226M+ | J | 22 16V Electrolytic    | AA   |
| C3322                            | VCKYCY1HB103KY | J | 0.01 50V Ceramic      | AA   | C7732            | VCEA4A1AN227M+ | J | 220 10V Electrolytic   | AC   |
| C3323                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7733            | VCEA4A1CN226M+ | J | 22 16V Electrolytic    | AA   |
| C3324                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7736            | VCEA0A1HW227M+ | J | 220 50V Electrolytic   | AB   |
| C3325                            | VCKYCY1CF104ZY | J | 0.1 16V Ceramic       | AA   | C7737            | VCEA4A1CN107M+ | J | 100 16V Electrolytic   | AB   |
| C3326                            | VCKYCY1CF104ZY | J | 0.1 16V Ceramic       | AA   | C7738            | VCEA4A1CN107M+ | J | 100 16V Electrolytic   | AB   |
| C3327                            | VCCCCY1HH221JY | J | 220p 50V Ceramic      | AA   | C7739            | VCEA4A1HN225M+ | J | 2.2 50V Electrolytic   | AC   |
| C3328                            | VCCCCY1HH221JY | J | 220p 50V Ceramic      | AA   | C7740            | VCQYTA1HM104J+ | J | 0.1 50V Mylar          | AB   |
| C3329                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7741            | VCEA0A1EW227M+ | J | 220 25V Electrolytic   | AB   |
| C3330                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7742            | VCEA0A1AW227M+ | J | 220 10V Electrolytic   | AB   |
| C3331                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7743            | VCEA4A1CN106M+ | J | 10 16V Electrolytic    | AC   |
| C3332                            | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   | C7744            | VCEA4A1CN106M+ | J | 10 16V Electrolytic    | AC   |
| C3604                            | VCKYCY1HB332KY | J | 3300p 50V Ceramic     | AA   | <b>RESISTORS</b> |                |   |                        |      |
| C3605                            | VCKYCY1HB332KY | J | 3300p 50V Ceramic     | AA   | RJ1              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3901                            | VCEAEA0JW107M+ | J | 100 6.3V Electrolytic | AB   | RJ2              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3902                            | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | RJ3              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3903                            | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | RJ4              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3904                            | VCEAEA1CW476M+ | J | 47 16V Electrolytic   | AB   | RJ5              | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| C3905                            | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB   | R3302            | VRN-VV3DB1R0J  | J | 1 2W Metal Film        | AB   |
| C3906                            | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB   | R3304            | VRS-CY1JF153JY | J | 15k 1/16W Metal Oxide  | AA   |
| C3907                            | VCEAEA0JW476M+ | J | 47 6.3V Electrolytic  | AB   | R3306            | VRS-CY1JF223JY | J | 22k 1/16W Metal Oxide  | AA   |
|                                  |                |   |                       |      | R3307            | VRS-CY1JF682JY | J | 6.8k 1/16W Metal Oxide | AA   |
|                                  |                |   |                       |      | R3311            | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA   |
|                                  |                |   |                       |      | R3312            | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA   |
|                                  |                |   |                       |      | R3313            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
|                                  |                |   |                       |      | R3315            | VRS-CY1JF561JY | J | 560 1/16W Metal Oxide  | AA   |
|                                  |                |   |                       |      | R3316            | VRS-CY1JF561JY | J | 560 1/16W Metal Oxide  | AA   |

| Ref. No.                         | Part No.       | ★ | Description            | Code |
|----------------------------------|----------------|---|------------------------|------|
| <b>DUNTKC857WE06 (LC-13SH1E)</b> |                |   |                        |      |
| <b>DUNTKC857WE05 (LC-15SH1E)</b> |                |   |                        |      |
| <b>SUB UNIT (Continued)</b>      |                |   |                        |      |
| R3317                            | VRS-CY1JF124JY | J | 120k 1/16W Metal Oxide | AA   |
| R3321                            | VRD-RA2BE272JY | J | 2.7k 1/8W Carbon       | AA   |
| R3322                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R3323                            | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R3324                            | VRS-CY1JF124JY | J | 120k 1/16W Metal Oxide | AA   |
| R3325                            | VRD-RA2BE683JY | J | 68k 1/8W Carbon        | AA   |
| R3326                            | VRD-RM2HD151JY | J | 150 1/2W Carbon        | AA   |
| R3327                            | VRD-RM2HD151JY | J | 150 1/2W Carbon        | AA   |
| R3607                            | VRS-CY1JF153JY | J | 15k 1/16W Metal Oxide  | AA   |
| R3608                            | VRS-CY1JF153JY | J | 15k 1/16W Metal Oxide  | AA   |
| R3902                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3904                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3905                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3906                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3907                            | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA   |
| R3908                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3909                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3910                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3911                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R3912                            | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R3913                            | VRD-RA2BE271JY | J | 270 1/8W Carbon        | AA   |
| R3914                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3915                            | VRS-CY1JF271JY | J | 270 1/16W Metal Oxide  | AA   |
| R3916                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3917                            | VRS-CY1JF823JY | J | 82k 1/16W Metal Oxide  | AA   |
| R3918                            | VRS-CY1JF271JY | J | 270 1/16W Metal Oxide  | AA   |
| R3919                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3920                            | VRS-CY1JF271JY | J | 270 1/16W Metal Oxide  | AA   |
| R3921                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3922                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R3923                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R3924                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R3925                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R3926                            | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| R3927                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3928                            | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| R3929                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3930                            | VRS-CY1JF000JY | J | 0 1/16W Metal Oxide    | AA   |
| R3931                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3933                            | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R3934                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R3935                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3936                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R3937                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R3938                            | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R3939                            | VRD-RA2BE220JY | J | 22 1/8W Carbon         | AA   |
| R3940                            | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |
| R3941                            | VRD-RA2BE750JY | J | 75 1/8W Carbon         | AA   |
| R3942                            | VRS-CY1JF333JY | J | 33k 1/16W Metal Oxide  | AA   |
| R5000                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R5001                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R5005                            | VRS-CY1JF750JY | J | 75 1/16W Metal Oxide   | AA   |
| R5008                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5009                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5010                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5012                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5014                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5015                            | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA   |
| R5016                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R5017                            | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R6700                            | VRD-RA2EE821JY | J | 820 1/4W Carbon        | AA   |
| R6701                            | VRS-TW2ED821JY | J | 820 1/4W Metal Oxide   | AB   |
| R6702                            | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R6703                            | VRS-CY1JF333JY | J | 33k 1/16W Metal Oxide  | AA   |
| R6704                            | VRS-TW2ED331JY | J | 330 1/4W Metal Oxide   | AB   |
| R6708                            | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| R6709                            | VRS-CY1JF824JY | J | 820k 1/16W Metal Oxide | AA   |
| R6710                            | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| R6711                            | VRS-CY1JF824JY | J | 820k 1/16W Metal Oxide | AA   |
| R6712                            | VRD-RA2BE562JY | J | 5.6k 1/8W Carbon       | AA   |
| R6713                            | VRD-RA2BE562JY | J | 5.6k 1/8W Carbon       | AA   |

| Ref. No. | Part No.       | ★ | Description            | Code |
|----------|----------------|---|------------------------|------|
| R6714    | VRD-RA2EE821JY | J | 820 1/4W Carbon        | AA   |
| R6715    | VRD-RA2EE821JY | J | 820 1/4W Carbon        | AA   |
| R6716    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R6717    | VRS-CY1JF333JY | J | 33k 1/16W Metal Oxide  | AA   |
| R6722    | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| R6723    | VRS-CY1JF824JY | J | 820k 1/16W Metal Oxide | AA   |
| R6724    | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| R6725    | VRS-CY1JF824JY | J | 820k 1/16W Metal Oxide | AA   |
| R6726    | VRS-CY1JF562JY | J | 5.6k 1/16W Metal Oxide | AA   |
| R6727    | VRS-CY1JF562JY | J | 5.6k 1/16W Metal Oxide | AA   |
| R6728    | VRS-TW2ED331JY | J | 330 1/4W Metal Oxide   | AB   |
| R6743    | VRS-CY1JF563JY | J | 56k 1/16W Metal Oxide  | AA   |
| △ R7702  | RR-HZ0014GEZZY | J |                        | AE   |
| R7703    | VRN-VV3AB1R0J  | J | 1 1W Metal Film        | AA   |
| R7704    | VRN-VV3AB1R5J  | J | 1.5 1W Metal Film      | AA   |
| R7705    | RR-DZA030WJZZ  | S | 330k 2W                | AB   |
| R7706    | VRD-RM2HD220JY | J | 22 1/2W Carbon         | AA   |
| R7707    | RR-DZA033WJZZ  | J | 180k 3W                | AD   |
| R7708    | RR-DZA033WJZZ  | J | 180k 3W                | AD   |
| R7709    | VRW-KP3HC3R3K  | J | 3.3 5W Cement          | AC   |
| R7710    | VRD-RM2HD102JY | J | 1k 1/2W Carbon         | AA   |
| R7711    | VRS-CY1JF222JY | J | 2.2k 1/16W Metal Oxide | AA   |
| R7712    | VRD-RM2HD220JY | J | 22 1/2W Carbon         | AA   |
| R7713    | VRD-RA2BE562JY | J | 5.6k 1/8W Carbon       | AA   |
| R7714    | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |
| R7715    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R7716    | VRN-VV3ABR22J  | J | 0.22 1W Metal Film     | AA   |
| R7717    | VRN-SV2HC1R0J  | J | 1 1/2W Metal Film      | AA   |
| R7718    | VRD-RM2HD221JY | J | 220 1/2W Carbon        | AA   |
| R7719    | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R7720    | VRS-CY1JF271JY | J | 270 1/16W Metal Oxide  | AA   |
| R7721    | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |
| R7722    | VRN-SV2HC1R0J  | J | 1 1/2W Metal Film      | AA   |
| R7726    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R7727    | VRN-RA2BK221FY | S | 220 1/8W Metal Film    | AA   |
| R7729    | VRD-RA2BE222JY | J | 2.2k 1/8W Carbon       | AA   |
| R7730    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R7732    | VRD-RM2HD221JY | J | 220 1/2W Carbon        | AA   |
| R7733    | VRS-CY1JF102JY | J | 1k 1/16W Metal Oxide   | AA   |
| R7735    | VRS-CY1JF473JY | J | 47k 1/16W Metal Oxide  | AA   |
| R7738    | VRS-CY1JF563JY | J | 56k 1/16W Metal Oxide  | AA   |
| R7739    | VRD-RM2HD222JY | J | 2.2k 1/2W Carbon       | AA   |
| R7740    | VRS-CY1JF104JY | J | 100k 1/16W Metal Oxide | AA   |
| R7741    | VRS-CY1JF182JY | J | 1.8k 1/16W Metal Oxide | AA   |
| R7742    | VRD-RA2BE223JY | J | 22k 1/8W Carbon        | AA   |
| R7743    | VRS-CY1JF563JY | J | 56k 1/16W Metal Oxide  | AA   |
| R7744    | VRS-CY1JF103JY | J | 10k 1/16W Metal Oxide  | AA   |
| R7745    | VRD-RA2EE102JY | J | 1k 1/4W Carbon         | AA   |
| R7746    | VRS-VV3AB560J  | J | 56 1W Metal Oxide      | AA   |
| R7747    | VRD-RA2BE101JY | J | 100 1/8W Carbon        | AA   |
| R7748    | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |
| R7749    | VRD-RA2BE102JY | J | 1k 1/8W Carbon         | AA   |

**MISCELLANEOUS PARTS**

|          |                |   |                               |    |
|----------|----------------|---|-------------------------------|----|
| △ F6700  | QFS-ZA003WJZZ  | J | Fuse, T1.25AL/250V            | AD |
| △ F6702  | QFS-ZA003WJZZ  | J | Fuse, T1.25AL/250V            | AD |
| △ F7701  | QFS-C3229CEZZ  | J | Fuse, 3.15A/250V              | AD |
| FH7701   | QFSDH1017CEZZ+ | J | Fuse Holder                   | AC |
| FH7702   | QFSDH1018CEZZ+ | J | Fuse Holder                   | AC |
| FB3301   | VP-CF3R3K0000Y | J | Peaking 3.3μH                 | AC |
| FB3302   | VP-CF3R3K0000Y | J | Peaking 3.3μH                 | AC |
| FB7702   | RBLN-0020CEZZ+ | J | Ferrite Bead                  | AB |
| FB7704   | RBLN-0090GEZZY | J | Ferrite Bead                  | AB |
| J3701    | QJAKJ0101SEZZ  | J | Headphone Jack                | AE |
| J3901    | QJAKFA031WJZZ  | J | AUDIO OUT(L)/(R)              | AC |
| J5000    | QSOD0439CEZZ   | J | S-VIDEO                       | AF |
| J5001    | QJAKGA067WJZZ  | J | AUDIO/VIDEO(EXT2)             | AD |
| △ CN7701 | QSOC003WJZZ    | J | AC INPUT Terminal (LC-15SH1E) | AD |
| P3301    | QPLGN0442CEZZ  | J | Plug, 4-pin(TS)               | AB |
| P3901    | QCNCMA012WJZZ  | J | Connector, 15-pin(MB)         | AD |
| P3902    | QCNCMA250WJZZ  | S | Connector, 23-pin(MA)         | AD |
| P6700    | QPLGNA390WJZZ  |   | Plug, 2-pin                   |    |
| P6701    | QPLGNA390WJZZ  |   | Plug, 2-pin                   |    |
| P6702    | QPLGNA390WJZZ  |   | Plug, 2-pin                   |    |

| Ref. No.                         | Part No.      | ★ | Description           | Code | Ref. No.                         | Part No.       | ★ | Description            | Code |
|----------------------------------|---------------|---|-----------------------|------|----------------------------------|----------------|---|------------------------|------|
| <b>DUNTKC857WE06 (LC-13SH1E)</b> |               |   |                       |      | <b>DUNTKC858WE06 (LC-13SH1E)</b> |                |   |                        |      |
| <b>DUNTKC857WE05 (LC-15SH1E)</b> |               |   |                       |      | <b>DUNTKC858WE05 (LC-15SH1E)</b> |                |   |                        |      |
| <b>SUB UNIT (Continued)</b>      |               |   |                       |      | <b>OPERATION UNIT</b>            |                |   |                        |      |
|                                  |               |   |                       |      | <b>DIODES</b>                    |                |   |                        |      |
| P6703                            | QPLGNA390WJZZ |   | Plug, 2-pin           |      | D4201                            | RH-EX0646GEZZY | J | Zener Diode            | AA   |
| P7701                            | QCNCMA012WJZZ | J | Connector, 15-pin     | AD   | D4202                            | RH-EX0604GEZZY | J | Zener Diode            | AB   |
| P7702                            | QPLGN0269GEZZ | J | AC INPUT Termial      | AB   | D4203                            | RH-EX0604GEZZY | J | Zener Diode            | AB   |
|                                  |               |   | (LC-13SH1E)           |      | <b>RESISTORS</b>                 |                |   |                        |      |
| SC3601                           | QSOCN0895REZZ | J | Socket, 8-pin         | AC   | R4201                            | VRS-CY1JF122JY | J | 1.2k 1/16W Metal Oxide | AA   |
| SC3901                           | QSOCZA056WJZZ | S | Socket, AV-IN1        | AG   | R4202                            | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
|                                  |               |   | (21-pin Euro-SCRAT)   |      | R4203                            | VRS-CY1JF122JY | J | 1.2k 1/16W Metal Oxide | AA   |
| RDA3301                          | PRDARA176WJFW | S | Heat Sink, for IC3301 | AD   | R4204                            | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide  | AA   |
| RDA7701                          | PRDARA160WJFW |   | Heat Sink, for IC7701 |      | R4205                            | VRS-CY1JF332JY | J | 3.3k 1/16W Metal Oxide | AA   |
| RDA7702                          | PRDARA161WJFW |   | Heat Sink, for D7703  |      | <b>SWITCHES</b>                  |                |   |                        |      |
|                                  | LX-BZ3100CEF7 | S | Screw, x3             | AA   | S4201                            | QSW-P0614CEZZ  | J | MAIN POWER             | AF   |
|                                  |               |   |                       |      | SW4202                           | QSW-K0003AJZZ+ | J | CH(✓)                  | AB   |
|                                  |               |   |                       |      | SW4203                           | QSW-K0003AJZZ+ | J | CH(∧)                  | AB   |
|                                  |               |   |                       |      | SW4204                           | QSW-K0003AJZZ+ | J | INPUT                  | AB   |
|                                  |               |   |                       |      | SW4205                           | QSW-K0003AJZZ+ | J | MENU                   | AB   |
|                                  |               |   |                       |      | SW4206                           | QSW-K0003AJZZ+ | J | VOL(+)                 | AB   |
|                                  |               |   |                       |      | SW4207                           | QSW-K0003AJZZ+ | J | VOL(-)                 | AB   |
|                                  |               |   |                       |      | <b>MISCELLANEOUS PARTS</b>       |                |   |                        |      |
|                                  |               |   |                       |      | SC4201                           | QSOCN0596REZZ  | J | Socket, 5-pin          | AB   |

| Ref. No.                        | Part No. | ★ | Description | Code |
|---------------------------------|----------|---|-------------|------|
| <b>DUNKC859WE06 (LC-13SH1E)</b> |          |   |             |      |
| <b>DUNKC859WE05 (LC-15SH1E)</b> |          |   |             |      |
| <b>R/C, LED UNIT</b>            |          |   |             |      |

**TRANSISTORS**

|       |               |   |         |    |
|-------|---------------|---|---------|----|
| Q4001 | VSKRC104S//1Y | J | KRC104S | AA |
| Q4002 | VSKRC104S//1Y | J | KRC104S | AA |
| Q4004 | VSKRC104S//1Y | J | KRC104S | AA |
| Q4005 | VSKRC104S//1Y | J | KRC104S | AA |

**DIODES**

|       |                |   |                      |    |
|-------|----------------|---|----------------------|----|
| D4001 | RH-PXA014WJZZ+ | J | STANDBY/On Indicator | AD |
| D4002 | RH-PXA014WJZZ+ | J | OPC Indicator        | AD |
| D4004 | RH-EX0640GEZZY | J | Zener Diode          | AA |
| D4005 | RH-EX0640GEZZY | J | Zener Diode          | AA |
| D4007 | RH-EX0640GEZZY | J | Zener Diode          | AA |
| D4008 | RH-PXA088WJZZ  |   | OPC Sensor           |    |

**CAPACITORS**

|       |                |   |                       |    |
|-------|----------------|---|-----------------------|----|
| C4001 | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB |
| C4002 | VCEAEA1CW106M+ | J | 10 16V Electrolytic   | AB |
| C4003 | VCEAEA0JW107M+ | J | 100 6.3V Electrolytic | AB |
| C4004 | VCKYCY1HF103ZY | J | 0.01 50V Ceramic      | AA |

**RESISTORS**

|       |                |   |                        |    |
|-------|----------------|---|------------------------|----|
| R4001 | VRS-CY1JF331JY | J | 330 1/16W Metal Oxide  | AA |
| R4002 | VRS-CY1JF681JY | J | 680 1/16W Metal Oxide  | AA |
| R4003 | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA |
| R4006 | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide  | AA |
| R4007 | VRS-CY1JF331JY | J | 330 1/16W Metal Oxide  | AA |
| R4010 | VRS-CY1JF333JY | J | 33k 1/16W Metal Oxide  | AA |

**MISCELLANEOUS PARTS**

|         |               |   |                 |    |
|---------|---------------|---|-----------------|----|
| SC4001  | QSOCN0896REZZ | J | Socket, 8-pin   | AC |
| RMC4001 | RRMUA034WJQZ  | J | Remote Receiver | AE |
|         | LHLDZA486WJZZ | S | LED Holder      | AD |

| Ref. No.                        | Part No. | ★ | Description | Code |
|---------------------------------|----------|---|-------------|------|
| <b>DUNKC860WE05 (LC-13SH1E)</b> |          |   |             |      |
| <b>DUNKC860WE04 (LC-15SH1E)</b> |          |   |             |      |
| <b>MAIN UNIT</b>                |          |   |             |      |

**TUNER**

**NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.**

|       |               |   |       |    |
|-------|---------------|---|-------|----|
| TU201 | VTUVT1Y5ED501 | S | Tuner | AS |
|-------|---------------|---|-------|----|

**INTEGRATED CIRCUITS**

|        |                |   |               |    |
|--------|----------------|---|---------------|----|
| IC101  | VHiM24C64WN-1Y | J | M24C64-WMN6T  | AL |
| IC151  | VHi39VF01WH-1Q | J | I.C.          |    |
| IC501  | RH-IXB219WJZZQ | J | I.C.          |    |
| IC701  | VHiLM1117MJ-1Y | J | LM1117MPX-ADJ | AF |
| IC702  | VHiMM1563DF-1Y | J | MM1563DFBE    | AE |
| IC703  | VHiLM1117MJ-1Y | J | LM1117MPX-ADJ | AF |
| IC704  | VHiBA05FP++-1Y | J | BA05FP-E2     | AF |
| IC751  | VHiNJ79M08D-1Y | J | NJM79M08DL1A  | AF |
| IC801  | RH-IX3251CEZZY | J | TDA9178T/N1   | AY |
| IC1101 | VHiBD8120FP-1Y | J | BD8120FP      | AX |
| IC1201 | RH-IXA370WJZZQ | J | LR38819       | AY |
| IC2201 | VHiTLVDF84B-1Y | J | THC63LVDF84B  | AT |

**TRANSISTORS**

|       |                |   |           |    |
|-------|----------------|---|-----------|----|
| Q101  | VSFMMT718//1Y  | J | FMMT718   | AE |
| Q102  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q103  | VSFMMT718//1Y  | J | FMMT718   | AE |
| Q104  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q105  | VSUM5K1NTR+-1Y | J | UM5K1NTR  | AC |
| Q201  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q202  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q205  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q701  | VSDTA144EE/-1Y | J | DTA144EE  | AA |
| Q702  | VSDTA124EE/-1Y | J | DTA124EE  | AB |
| Q751  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q752  | VS2SA1530AR-1Y | J | 2SA1530A  | AB |
| Q753  | VSDTC144EE/-1Y | J | DTC144EE  | AA |
| Q754  | VSFMMT718//1Y  | J | FMMT718   | AE |
| Q755  | VSDTC144EE/-1Y | J | DTC144EE  | AA |
| Q756  | VSDTC144EE/-1Y | J | DTC144EE  | AA |
| Q757  | VSDTC144EE/-1Y | J | DTC144EE  | AA |
| Q758  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q759  | VSDTA144EE/-1Y | J | DTA144EE  | AA |
| Q801  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q802  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q803  | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q1105 | VS2SC4520//1Y  | J | 2SC4520   | AE |
| Q1106 | VS2SA1729//1Y  | J | 2SA1729   | AF |

**DIODES**

|       |                |   |             |    |
|-------|----------------|---|-------------|----|
| D101  | VHDHSU119//1Y  | J | Diode       | AB |
| D202  | RH-EXA101WJZZY | J | Zener Diode | AB |
| D203  | VHDB481K++-1Y  | J | Diode       | AD |
| D204  | VHD1SS390++-1Y | J | Diode       | AB |
| D205  | VHDHSU119//1Y  | J | Diode       | AB |
| D206  | VHDHSU119//1Y  | J | Diode       | AB |
| D208  | VHD1SS390++-1Y | J | Diode       | AB |
| D701  | VHDHSU119//1Y  | J | Diode       | AB |
| D702  | VHDHSU119//1Y  | J | Diode       | AB |
| D703  | VHDHSU119//1Y  | J | Diode       | AB |
| D704  | VHD1SS119//1Y  | J | Diode       | AA |
| D751  | RH-EXA099WJZZY | J | Zener Diode |    |
| D755  | VHDB481K++-1Y  | J | Diode       | AD |
| D756  | VHDHSU119//1Y  | J | Diode       | AB |
| D757  | VHDHSU119//1Y  | J | Diode       | AB |
| D759  | VHD1SS250//1EY | J | Diode       | AB |
| D1103 | VHD1SS250//1EY | J | Diode       | AB |
| D1104 | VHD1SS250//1EY | J | Diode       | AB |
| D1201 | VHDHSU119//1Y  | J | Diode       | AB |
| D1202 | VHDHSU119//1Y  | J | Diode       | AB |

**PACKAGED CIRCUITS**

|      |               |   |         |    |
|------|---------------|---|---------|----|
| X101 | RCRSAA058WJZZ | J | Crystal |    |
| X501 | RCRSAA037WJZZ | J | Crystal | AE |

| Ref. No.                         | Part No.       | ★ | Description           | Code | Ref. No. | Part No.       | ★ | Description           | Code |
|----------------------------------|----------------|---|-----------------------|------|----------|----------------|---|-----------------------|------|
| <b>DUNTKC860WE05 (LC-13SH1E)</b> |                |   |                       |      |          |                |   |                       |      |
| <b>DUNTKC860WE04 (LC-15SH1E)</b> |                |   |                       |      |          |                |   |                       |      |
| <b>MAIN UNIT</b>                 |                |   |                       |      |          |                |   |                       |      |
| <b>FILTERS AND COILS</b>         |                |   |                       |      |          |                |   |                       |      |
| SF201                            | RFILCA102WJZZ  | S | S.A.W Filter          | AH   | C414     | VCKYCY1HB103KY | J | 0.01 50V Ceramic      | AA   |
| SF202                            | RFILCA103WJZZ  | S | S.A.W Filter          | AM   | C415     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| L202                             | RCiLPA143WJZZY | J | Coil                  | AD   | C416     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| L751                             | RCiLPA143WJZZY | J | Coil                  | AD   | C417     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| L752                             | VPCNN470J5R4NY | J | Peaking 47μH          | AB   | C418     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| L2201                            | VPCNN2R7JR85NY | J | Peaking 2.7μH         | AB   | C419     | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   |
| L2202                            | VPCNN2R7JR85NY | J | Peaking 2.7μH         | AB   | C420     | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   |
| <b>CAPACITORS</b>                |                |   |                       |      | C421     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C101                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C501     | VCEASX0JN226MY | J | 22 6.3V Electrolytic  | AB   |
| C102                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C504     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C104                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C505     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C106                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C506     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C107                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C507     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C109                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C510     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C110                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C511     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C111                             | VCEASX0JN227MY | J | 220 6.3V Electrolytic | AC   | C512     | VCEASX0JN226MY | J | 22 6.3V Electrolytic  | AB   |
| C113                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C513     | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   |
| C116                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C514     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C117                             | VCEASX0JN107MY | J | 100 6.3V Electrolytic | AC   | C515     | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   |
| C118                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C517     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C119                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C518     | VCKYCY1HB102KY | J | 1000p 50V Ceramic     | AA   |
| C121                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C519     | VCCCCY1HH8R0DY | J | 8p 50V Ceramic        | AA   |
| C122                             | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   | C520     | VCCCCY1HH8R0DY | J | 8p 50V Ceramic        | AA   |
| C123                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C521     | VCEASX0JN226MY | J | 22 6.3V Electrolytic  | AB   |
| C124                             | VCEASX0JN107MY | J | 100 6.3V Electrolytic | AC   | C522     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C126                             | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   | C523     | VCEASX0JN226MY | J | 22 6.3V Electrolytic  | AB   |
| C127                             | VCKYCY1CB223KY | J | 0.022 16V Ceramic     | AB   | C524     | VCEASX0JN226MY | J | 22 6.3V Electrolytic  | AB   |
| C128                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C525     | VCEASX0JN226MY | J | 22 6.3V Electrolytic  | AB   |
| C151                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C535     | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   |
| C152                             | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   | C536     | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   |
| C161                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C547     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C162                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C548     | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   |
| C163                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C549     | VCEASX0JN107MY | J | 100 6.3V Electrolytic | AC   |
| C201                             | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   | C550     | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   |
| C203                             | VCKYCY1HF333ZY | J | 0.033 50V Ceramic     | AA   | C551     | VCEASX0JN107MY | J | 100 6.3V Electrolytic | AC   |
| C204                             | VCEASX1CN476MY | J | 47 16V Electrolytic   | AC   | C552     | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   |
| C205                             | VCEASX1CN476MY | J | 47 16V Electrolytic   | AC   | C554     | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   |
| C206                             | VCEASX0JN227MY | J | 220 6.3V Electrolytic | AC   | C556     | VCEASX0JN107MY | J | 100 6.3V Electrolytic | AC   |
| C207                             | VCEASX1HN225MY | J | 2.2 50V Electrolytic  | AB   | C557     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C208                             | VCKYCY1HB103KY | J | 0.01 50V Ceramic      | AA   | C558     | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   |
| C213                             | VCKYCY1HB103KY | J | 0.01 50V Ceramic      | AA   | C570     | VCKYCY1CB333KY | J | 0.033 16V Ceramic     | AA   |
| C215                             | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   | C571     | VCCCCY1HH100DY | J | 10p 50V Ceramic       | AA   |
| C216                             | VCEASX1HN225MY | J | 2.2 50V Electrolytic  | AB   | C574     | VCKYCY1CB333KY | J | 0.033 16V Ceramic     | AA   |
| C217                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C575     | VCKYCY1CB333KY | J | 0.033 16V Ceramic     | AA   |
| C218                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C576     | VCCCCY1HH100DY | J | 10p 50V Ceramic       | AA   |
| C220                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C578     | VCKYCY1CB333KY | J | 0.033 16V Ceramic     | AA   |
| C301                             | VCEASX1HN475MY | J | 4.7 50V Electrolytic  | AC   | C579     | VCKYCY1CB223KY | J | 0.022 16V Ceramic     | AB   |
| C302                             | VCKYCY1HB392KY | J | 3900p 50V Ceramic     | AA   | C580     | VCKYCY1CB333KY | J | 0.033 16V Ceramic     | AA   |
| C303                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C581     | VCCCCY1HH100DY | J | 10p 50V Ceramic       | AA   |
| C304                             | VCEASX1HN225MY | J | 2.2 50V Electrolytic  | AB   | C582     | VCKYCY1CB333KY | J | 0.033 16V Ceramic     | AA   |
| C305                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C701     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C306                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C702     | VCEASX1CN476MY | J | 47 16V Electrolytic   | AC   |
| C331                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C703     | VCEASX0JN107MY | J | 100 6.3V Electrolytic | AC   |
| C332                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C704     | VCEASX1CN476MY | J | 47 16V Electrolytic   | AC   |
| C358                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C709     | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   |
| C359                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C710     | VCEASX1CN476MY | J | 47 16V Electrolytic   | AC   |
| C360                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C711     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C361                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C712     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C362                             | VCKYTV1EB474KY | J | 0.47 25V Ceramic      | AC   | C720     | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   |
| C363                             | VCKYTV1EB474KY | J | 0.47 25V Ceramic      | AC   | C721     | VCKYCY1HB471KY | J | 470p 50V Ceramic      | AA   |
| C366                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C722     | VCEASX1CN476MY | J | 47 16V Electrolytic   | AC   |
| C367                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C723     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C368                             | VCKYTV1EB474KY | J | 0.47 25V Ceramic      | AC   | C724     | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   |
| C369                             | VCKYTV1EB474KY | J | 0.47 25V Ceramic      | AC   | C725     | VCKYCY1CF224ZY | J | 0.22 16V Ceramic      | AB   |
| C409                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C751     | VCEASX1HN225MY | J | 2.2 50V Electrolytic  | AB   |
| C410                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C752     | VCEASX1CN106MY | J | 10 16V Electrolytic   | AC   |
| C411                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C753     | VCEASX1CN107MY | J | 100 16V Electrolytic  | AC   |
| C412                             | VCCCCY1HH101JY | J | 100p 50V Ceramic      | AA   | C754     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
| C413                             | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   | C758     | RC-KZ0075TAZZY | J | 2.2 16V Ceramic       | AC   |
|                                  |                |   |                       |      | C759     | VCEASX1HN225MY | J | 2.2 50V Electrolytic  | AB   |
|                                  |                |   |                       |      | C760     | VCEASX1CN107MY | J | 100 16V Electrolytic  | AC   |
|                                  |                |   |                       |      | C761     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
|                                  |                |   |                       |      | C763     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |
|                                  |                |   |                       |      | C764     | VCEASX1HN475MY | J | 4.7 50V Electrolytic  | AC   |
|                                  |                |   |                       |      | C765     | VCKYCY1EF104ZY | J | 0.1 25V Ceramic       | AA   |

| Ref. No.                          | Part No.       | ★       | Description       | Code |
|-----------------------------------|----------------|---------|-------------------|------|
| <b>DUNT KC860WE05 (LC-13SH1E)</b> |                |         |                   |      |
| <b>DUNT KC860WE04 (LC-15SH1E)</b> |                |         |                   |      |
| <b>MAIN UNIT (Continued)</b>      |                |         |                   |      |
| C766                              | VCAAPC0JJ107MY | J 100   | 6.3V Electrolytic | AE   |
| C801                              | VCEASX1HN105MY | J 1     | 50V Electrolytic  | AB   |
| C802                              | VCKYCY1HB682KY | J 6800p | 50V Ceramic       | AA   |
| C803                              | VCKYCY1CF224ZY | J 0.22  | 16V Ceramic       | AB   |
| C804                              | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C805                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C806                              | VCKYCY1CF334ZY | J 0.33  | 16V Ceramic       | AB   |
| C807                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C808                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C809                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C810                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C811                              | VCCCCY1HH220JY | J 22p   | 50V Ceramic       | AA   |
| C812                              | VCCCCY1HH220JY | J 22p   | 50V Ceramic       | AA   |
| C813                              | VCCCCY1HH220JY | J 22p   | 50V Ceramic       | AA   |
| C814                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C815                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C816                              | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C817                              | RC-KZ0074TAZZY | J 10    | 6.3V Ceramic      | AF   |
| C818                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C819                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C820                              | VCEASX1CN476MY | J 47    | 16V Electrolytic  | AC   |
| C821                              | VCKYCY1HB102KY | J 1000p | 50V Ceramic       | AA   |
| C822                              | VCEASX0JN107MY | J 100   | 6.3V Electrolytic | AC   |
| C823                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C825                              | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C826                              | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C827                              | RC-KZ0074TAZZY | J 10    | 6.3V Ceramic      | AF   |
| C828                              | RC-KZ0074TAZZY | J 10    | 6.3V Ceramic      | AF   |
| C829                              | RC-KZ0074TAZZY | J 10    | 6.3V Ceramic      | AF   |
| C830                              | VCCCCY1HH470JY | J 47p   | 50V Ceramic       | AA   |
| C831                              | VCCCCY1HH470JY | J 47p   | 50V Ceramic       | AA   |
| C832                              | VCCCCY1HH470JY | J 47p   | 50V Ceramic       | AA   |
| C833                              | VCKYCY1HB271KY | J 270p  | 50V Ceramic       | AA   |
| C834                              | VCKYCY1HB271KY | J 270p  | 50V Ceramic       | AA   |
| C835                              | VCKYCY1HB271KY | J 270p  | 50V Ceramic       | AA   |
| C1104                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1106                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1107                             | RC-KZA041WJZZY | J 10    | 10V Ceramic       | AC   |
| C1108                             | VCCCCY1HH560JY | J 56p   | 50V Ceramic       | AB   |
| C1109                             | RC-KZA041WJZZY | J 10    | 10V Ceramic       | AC   |
| C1110                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1113                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   |
| C1116                             | VCKYTV1CB105KY | J 1     | 16V Ceramic       | AC   |
| C1117                             | VCKYTV1CB105KY | J 1     | 16V Ceramic       | AC   |
| C1118                             | VCKYCY1EB104KY | J 0.1   | 25V Ceramic       | AB   |
| C1119                             | RC-KZA041WJZZY | J 10    | 10V Ceramic       | AC   |
| C1120                             | VCEASY1HN106MY | J 10    | 50V Electrolytic  | AC   |
| C1202                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1203                             | RC-KZ0117TAZZY | J 4.7   | 6.3V Ceramic      | AD   |
| C1210                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1213                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1214                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1215                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C1216                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C2201                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C2202                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   |
| C2203                             | VCEASX1CN106MY | J 10    | 16V Electrolytic  | AC   |
| C2204                             | VCKYCY1HB103KY | J 0.01  | 50V Ceramic       | AA   |
| C2205                             | VCKYCY1EF104ZY | J 0.1   | 25V Ceramic       | AA   |
| C2206                             | VCCCCY1HH470JY | J 47p   | 50V Ceramic       | AA   |

**RESISTORS**

|      |                |        |                   |    |
|------|----------------|--------|-------------------|----|
| R101 | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA |
| R102 | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA |
| R103 | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA |
| R104 | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA |
| R105 | VRS-CY1JF153JY | J 15k  | 1/16W Metal Oxide | AA |
| R106 | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA |
| R107 | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA |
| R108 | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA |
| R109 | VRS-CY1JF222JY | J 2.2k | 1/16W Metal Oxide | AA |

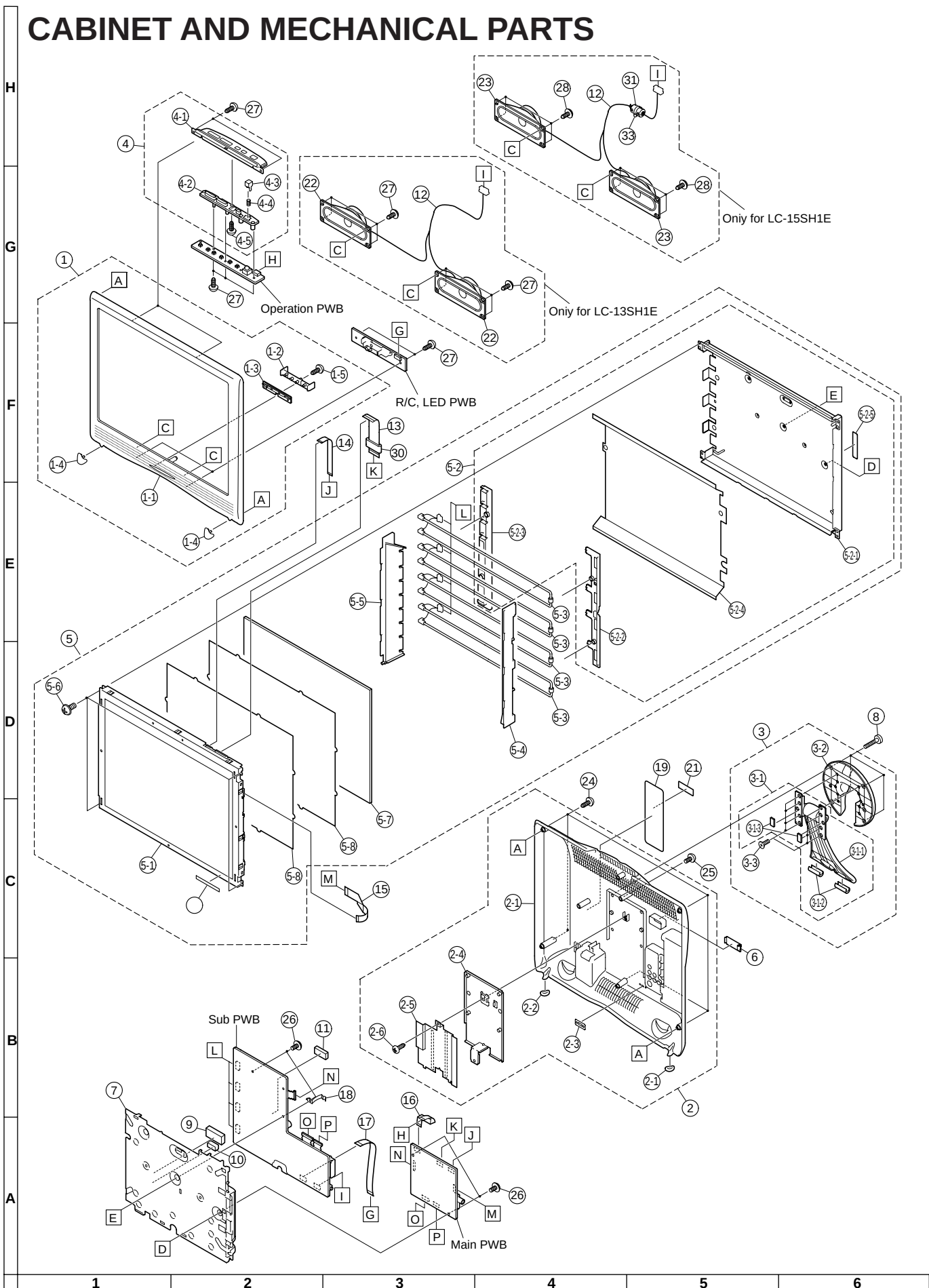
| Ref. No. | Part No.       | ★      | Description       | Code |
|----------|----------------|--------|-------------------|------|
| R111     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R113     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R114     | VRS-CY1JF2R2JY | J 2.2  | 1/16W Metal Oxide | AA   |
| R115     | VRS-CY1JF2R2JY | J 2.2  | 1/16W Metal Oxide | AA   |
| R116     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R117     | VRS-CY1JF2R2JY | J 2.2  | 1/16W Metal Oxide | AA   |
| R118     | VRS-CY1JF2R2JY | J 2.2  | 1/16W Metal Oxide | AA   |
| R119     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R120     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R122     | VRS-CY1JF153JY | J 15k  | 1/16W Metal Oxide | AA   |
| R123     | VRS-CY1JF102JY | J 1k   | 1/16W Metal Oxide | AA   |
| R124     | VRS-CY1JF154JY | J 150k | 1/16W Metal Oxide | AA   |
| R125     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R126     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R127     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R129     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R131     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R132     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R133     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R134     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R136     | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   |
| R137     | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   |
| R138     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R139     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R140     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R141     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R142     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R143     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R144     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R145     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R146     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R147     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R148     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R149     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R151     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R152     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R161     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R164     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R201     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R202     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R203     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R204     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R205     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R206     | VRS-CY1JF473JY | J 47k  | 1/16W Metal Oxide | AA   |
| R207     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R208     | VRS-CY1JF392JY | J 3.9k | 1/16W Metal Oxide | AA   |
| R209     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R210     | VRS-CY1JF153JY | J 15k  | 1/16W Metal Oxide | AA   |
| R211     | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA   |
| R212     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R217     | VRS-CY1JF102JY | J 1k   | 1/16W Metal Oxide | AA   |
| R218     | VRS-CY1JF681JY | J 680  | 1/16W Metal Oxide | AA   |
| R219     | VRS-CJ1JF102JY | J 1k   | 1/16W Metal Oxide | AA   |
| R220     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R221     | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA   |
| R224     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R237     | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   |
| R239     | VRS-CY1JF222JY | J 2.2k | 1/16W Metal Oxide | AA   |
| R301     | VRS-CY1JF391JY | J 390  | 1/16W Metal Oxide | AA   |
| R302     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R303     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R304     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R305     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R306     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R362     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R363     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |
| R364     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R365     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R366     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R367     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R368     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R369     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R370     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R371     | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   |
| R423     | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   |

| Ref. No.                         | Part No.       | ★      | Description       | Code | Ref. No.                   | Part No.       | ★      | Description        | Code |
|----------------------------------|----------------|--------|-------------------|------|----------------------------|----------------|--------|--------------------|------|
| <b>DUNTKC860WE05 (LC-13SH1E)</b> |                |        |                   |      | R833                       | VRS-CY1JF121JY | J 120  | 1/16W Metal Oxide  | AA   |
| <b>DUNTKC860WE04 (LC-15SH1E)</b> |                |        |                   |      | R834                       | VRS-CY1JF750JY | J 75   | 1/16W Metal Oxide  | AA   |
| <b>MAIN UNIT (Continued)</b>     |                |        |                   |      | R835                       | VRS-CY1JF750JY | J 75   | 1/16W Metal Oxide  | AA   |
| R544                             | VRS-CY1JF823JY | J 82k  | 1/16W Metal Oxide | AA   | R836                       | VRS-CY1JF750JY | J 75   | 1/16W Metal Oxide  | AA   |
| R548                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1101                      | VRS-CY1JF273JY | J 27k  | 1/16W Metal Oxide  | AA   |
| R549                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1102                      | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide  | AA   |
| R550                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1103                      | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide  | AA   |
| R551                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1104                      | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide  | AA   |
| R552                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1112                      | VRS-CY1JF181JY | J 180  | 1/16W Metal Oxide  | AA   |
| R553                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1113                      | VRS-CY1JF102JY | J 1k   | 1/16W Metal Oxide  | AA   |
| R554                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1114                      | VRS-CY1JF181JY | J 180  | 1/16W Metal Oxide  | AA   |
| R555                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1117                      | VRS-TW2HF5R6JY | J 5.6  | 1/2W Metal Oxide   | AA   |
| R557                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1118                      | VRS-TW2HF5R6JY | J 5.6  | 1/2W Metal Oxide   | AA   |
| R558                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1121                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R559                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1122                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R570                             | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide | AA   | R1123                      | VRS-TW2HF000JY | J 0    | 1/2W Metal Oxide   | AA   |
| R571                             | VRS-CY1JF470JY | J 47   | 1/16W Metal Oxide | AA   | R1124                      | VRS-TW2HF101JY | J 100  | 1/2W Metal Oxide   | AA   |
| R573                             | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide | AA   | R1126                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R574                             | VRS-CY1JF470JY | J 47   | 1/16W Metal Oxide | AA   | R1128                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R575                             | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide | AA   | R1129                      | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide  | AA   |
| R576                             | VRS-CY1JF470JY | J 47   | 1/16W Metal Oxide | AA   | R1130                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R577                             | VRS-CY1JF123JY | J 12k  | 1/16W Metal Oxide | AA   | R1203                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R701                             | VRS-CY1JF121JY | J 120  | 1/16W Metal Oxide | AA   | R1204                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R702                             | VRS-CY1JF271JY | J 270  | 1/16W Metal Oxide | AA   | R1205                      | VRK-CD1JJ220JY | J 22   | 1/16W Metal Compo. | AC   |
| R704                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | R1206                      | VRK-CD1JJ220JY | J 22   | 1/16W Metal Compo. | AC   |
| R705                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1207                      | VRK-CD1JJ220JY | J 22   | 1/16W Metal Compo. | AC   |
| R709                             | VRS-TW2HF000JY | J 0    | 1/2W Metal Oxide  | AA   | R1208                      | VRS-CY1JF220JY | J 22   | 1/16W Metal Oxide  | AA   |
| R710                             | VRS-CY1JF271JY | J 270  | 1/16W Metal Oxide | AA   | R1209                      | VRS-CY1JF220JY | J 22   | 1/16W Metal Oxide  | AA   |
| R711                             | VRS-CY1JF471JY | J 470  | 1/16W Metal Oxide | AA   | R1210                      | VRS-CA1JF220JY | J 22   | 1/16W Metal Oxide  | AA   |
| R716                             | VRS-TW2HF101JY | J 100  | 1/2W Metal Oxide  | AA   | R1211                      | VRS-CA1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R717                             | VRS-TW2HF101JY | J 100  | 1/2W Metal Oxide  | AA   | R1214                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R718                             | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide | AA   | R1215                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R751                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | R1216                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R752                             | VRS-CY1JF272JY | J 2.7k | 1/16W Metal Oxide | AA   | R1217                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R753                             | VRS-TW2ED102JY | J 1k   | 1/4W Metal Oxide  | AA   | R1218                      | VRS-CY1JF220JY | J 22   | 1/16W Metal Oxide  | AA   |
| R754                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | R1223                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R755                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | R1230                      | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide  | AA   |
| R757                             | VRS-TW2ED103JY | J 10k  | 1/4W Metal Oxide  | AA   | R1240                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R761                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | R1241                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R762                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | R1242                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R764                             | VRS-CY1JF223JY | J 22k  | 1/16W Metal Oxide | AA   | R1243                      | VRS-CY1JF000JY | J 0    | 1/16W Metal Oxide  | AA   |
| R766                             | VRS-TW2HF330JY | J 33   | 1/2W Metal Oxide  | AA   | R2203                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R767                             | VRS-TW2HF472JY | J 4.7k | 1/2W Metal Oxide  | AA   | R2204                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R769                             | VRS-CY1JF562JY | J 5.6k | 1/16W Metal Oxide | AA   | R2205                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R801                             | VRS-CY1JF102JY | J 1k   | 1/16W Metal Oxide | AA   | R2206                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R802                             | VRS-CY1JF123JY | J 12k  | 1/16W Metal Oxide | AA   | R2207                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R803                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | R2208                      | VRS-CB1JF470JY | J 47   | 1/16W Metal Oxide  | AA   |
| R804                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | R2224                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R805                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | R2225                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R806                             | VRS-CY1JF105JY | J 1 M  | 1/16W Metal Oxide | AA   | R2226                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R807                             | VRS-CY1JF393JY | J 39k  | 1/16W Metal Oxide | AA   | R2227                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R808                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | R2228                      | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide  | AA   |
| R809                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | R2232                      | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide  | AA   |
| R810                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | R2233                      | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide  | AA   |
| R811                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | <b>MISCELLANEOUS PARTS</b> |                |        |                    |      |
| R812                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB101                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R813                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB102                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R814                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB103                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R815                             | VRS-CY1JF100JY | J 10   | 1/16W Metal Oxide | AA   | FB104                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R816                             | VRS-CY1JF273JY | J 27k  | 1/16W Metal Oxide | AA   | FB105                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R817                             | VRS-CY1JF473JY | J 47k  | 1/16W Metal Oxide | AA   | FB106                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R819                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | FB107                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R820                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | FB108                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R821                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | FB109                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R822                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | FB151                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R823                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | FB201                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R824                             | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA   | FB204                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R825                             | VRS-CY1JF103JY | J 10k  | 1/16W Metal Oxide | AA   | FB401                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R826                             | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA   | FB501                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R827                             | VRS-CY1JF473JY | J 47k  | 1/16W Metal Oxide | AA   | FB502                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R828                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB504                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R829                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB507                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R830                             | VRS-CY1JF101JY | J 100  | 1/16W Metal Oxide | AA   | FB508                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R831                             | VRS-CY1JF121JY | J 120  | 1/16W Metal Oxide | AA   | FB531                      | RBLN-0062TAZZY | J      | Ferrite Bead       | AB   |
| R832                             | VRS-CY1JF121JY | J 120  | 1/16W Metal Oxide | AA   |                            |                |        |                    |      |

| Ref. No.                         | Part No.       | ★ | Description       | Code |
|----------------------------------|----------------|---|-------------------|------|
| <b>DUNTKC860WE05 (LC-13SH1E)</b> |                |   |                   |      |
| <b>DUNTKC860WE04 (LC-15SH1E)</b> |                |   |                   |      |
| <b>MAIN UNIT (Continued)</b>     |                |   |                   |      |
| FB532                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB533                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB535                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB801                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB802                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB803                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB804                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB805                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB806                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB807                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB808                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB809                            | RBLN-0062TAZZY | J | Ferrite Bead      | AB   |
| FB1201                           | RBLN-0083GEZZY | J | Ferrite Bead      | AB   |
| P2002                            | QPLGNA144WJZZY | J | Plug, 20-pin      | AF   |
| SC102                            | QCNCWA010WJZZY | J | Connector, 15-pin | AE   |
| SC104                            | QCNCWA010WJZZY | J | Connector, 15-pin | AE   |
| SC105                            | QSOCN0596REZZ  | J | Socket, 5-pin     | AB   |
| SC106                            | QCNCWA251WJZZY | S | Connector, 23-pin | AF   |
| SC1201                           | QSOCNA002WJPZY | J | Socket, 20-pin    | AD   |
| SC1202                           | QSOCN0687FJZZY | J | Socket, 50-pin    | AF   |
| SC1203                           | QSOCN0206FJZZY | J | Socket, 30-pin    | AF   |
| TP101                            | QLUGHA006WJZZY | J | Lug               | AC   |
| TP102                            | QLUGHA006WJZZY | J | Lug               | AC   |

| Ref. No.                                            | Part No.      | ★ | Description                               | Code | Ref. No. | Part No.      | ★ | Description    | Code |
|-----------------------------------------------------|---------------|---|-------------------------------------------|------|----------|---------------|---|----------------|------|
| <b>CABINET AND MECHANICAL PARTS<br/>(LC-13SH1E)</b> |               |   |                                           |      | 30       | RCORFA032WJZZ | J | Ferrite Core   | AK   |
|                                                     |               |   |                                           |      | 35       | GCOVHA069WJKA |   | AC Holder      |      |
|                                                     |               |   |                                           |      | 36       | LHLDK0002PEK0 | J | AC Cord Holder | AA   |
| 1                                                   | CCABAA755WJ01 |   | Cabinet A Ass'y                           |      |          |               |   |                |      |
| 1-1                                                 | Not Available | — | Cabinet A                                 | —    |          |               |   |                |      |
| 1-2                                                 | HDECQA452WJSA |   | R/C, LED Cover                            |      |          |               |   |                |      |
| 1-3                                                 | HDECQA459WJSA |   | LED Cover                                 |      |          |               |   |                |      |
| 1-4                                                 | HDECQA478WJSA |   | Leg Cover, x2                             |      |          |               |   |                |      |
| 1-5                                                 | XEBN30P08000  | J | Screw, x1                                 | AA   |          |               |   |                |      |
| 2                                                   | CCABBA485WJ01 |   | Cabinet B Ass'y                           |      |          |               |   |                |      |
| 2-1                                                 | Not Available | — | Cabinet B                                 | —    |          |               |   |                |      |
| 2-2                                                 | GLEGGA042WJZZ |   | Rubber Leg, x2                            |      |          |               |   |                |      |
| 2-3                                                 | LANGFA085WJFW | J | Kensington Angle                          | AC   |          |               |   |                |      |
| 2-4                                                 | LANGTA159WJFW |   | Reinforcement Angle                       |      |          |               |   |                |      |
| 2-5                                                 | PZETKA109WJZZ |   | Insulating Spacer, x1                     |      |          |               |   |                |      |
| 2-6                                                 | XEBN30P08000  | J | Screw, x1                                 | AA   |          |               |   |                |      |
| 3                                                   | CDAi-A154WJ01 |   | Stand Ass'y                               |      |          |               |   |                |      |
| 3-1                                                 | CDAi-A154WJ02 |   | Stand Base Ass'y                          |      |          |               |   |                |      |
| 3-1-1                                               | GDAi-A154WJSA |   | Stand Base                                |      |          |               |   |                |      |
| 3-1-2                                               | GLEGGA041WJSA |   | Rubber Leg, x2                            |      |          |               |   |                |      |
| 3-1-3                                               | PSPAZA083WJZZ | J | Spacer, x2                                | AB   |          |               |   |                |      |
| 3-2                                                 | GCOVAB023WJSA |   | Stand Cover                               |      |          |               |   |                |      |
| 3-3                                                 | XESSN40P10000 | J | Screw, x8                                 | AB   |          |               |   |                |      |
| 4                                                   | CCOVAB201WJ01 |   | Top Cover Ass'y                           |      |          |               |   |                |      |
| 4-1                                                 | Not Available | — | Top Cover                                 | —    |          |               |   |                |      |
| 4-2                                                 | JBTA-A353WJSA |   | Operation Button                          |      |          |               |   |                |      |
| 4-3                                                 | JBTA-A354WJSA |   | Power Button                              |      |          |               |   |                |      |
| 4-4                                                 | MSPRCA014WJFW | J | Spring, for Power Button                  | AB   |          |               |   |                |      |
| 4-5                                                 | XEBN30P08000  | J | Screw, x1                                 | AA   |          |               |   |                |      |
| 5                                                   | Not Available | — | 13" LCD Panel Unit Ass'y                  | —    |          |               |   |                |      |
| 5-1                                                 | RLCDA023WJZZ  | J | 13" LCD Panel Unit                        | CQ   |          |               |   |                |      |
| 5-2                                                 | Not Available | — | Back Shield Ass'y                         | —    |          |               |   |                |      |
| 5-2-1                                               | PSLDM542WJFW  |   | Back Shield                               |      |          |               |   |                |      |
| 5-2-2                                               | LHLDZA429WJKZ | J | Lamp Holder-R(Bottom)                     | AF   |          |               |   |                |      |
| 5-2-3                                               | LHLDZA435WJKZ | J | Lamp Holder-L(Bottom)                     | AF   |          |               |   |                |      |
| 5-2-4                                               | PSHEPA229WJZZ | J | Reflection Sheet                          | AK   |          |               |   |                |      |
| 5-2-5                                               | TCAUZA031WJZZ | J | Caution Label                             | AB   |          |               |   |                |      |
| 5-2-6                                               | PMLT-A149WJZZ | J | Light Shielding Spacer, x2                | AB   |          |               |   |                |      |
| △ 5-3                                               | KLMP-A048WJZZ | J | Lamp Unit, x4                             | AV   |          |               |   |                |      |
| 5-4                                                 | LHLDZA433WJKZ | J | Lamp Holder-R(Top)                        | AH   |          |               |   |                |      |
| 5-5                                                 | LHLDZA434WJKZ | J | Lamp Holder-L(Top)                        | AH   |          |               |   |                |      |
| 5-6                                                 | LX-BZA084WJF7 | J | Screw, x4                                 | AA   |          |               |   |                |      |
| 5-7                                                 | PCOVUA047WJZZ | J | Diffusion Plate, x1                       | AT   |          |               |   |                |      |
| 5-8                                                 | PSHEPA230WJZZ | J | Diffusion Sheet, x2                       | AH   |          |               |   |                |      |
| 6                                                   | GCOVAA984WJKA | S | Bass-Conne Cover                          | AD   |          |               |   |                |      |
| 7                                                   | LCHSMA146WJKA | S | Chassis Frame                             | AR   |          |               |   |                |      |
| 8                                                   | LX-BZ3442CEF9 | J | Screw, x4                                 | AB   |          |               |   |                |      |
| 9                                                   | PSPAZA640WJKZ | S | Spacer, x1                                | AL   |          |               |   |                |      |
| 10                                                  | PSPAZA641WJKZ | S | Spacer, x1                                | AF   |          |               |   |                |      |
| 11                                                  | PSPAZA642WJKZ | S | Spacer, x1                                | AH   |          |               |   |                |      |
| 12                                                  | QCNW-D115WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 13                                                  | QCNW-D228WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 14                                                  | QCNW-D229WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 15                                                  | QCNW-D231WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 16                                                  | QCNW-D362WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 17                                                  | QCNW-D363WJQZ |   | Connecting Cord                           |      |          |               |   |                |      |
| 18                                                  | QEARPA132WJFW |   | Grounding Part, x1                        |      |          |               |   |                |      |
| 19                                                  | TLABMB319WJZZ |   | Model Label<br>(LC-13SH1E/E(F)/E(K)/E(R)) |      |          |               |   |                |      |
| 19                                                  | TLABMB475WJZZ |   | Model Label(LC-13SH1E(I))                 |      |          |               |   |                |      |
| 20                                                  | TLABNB105WJZZ |   | EICTA Label                               |      |          |               |   |                |      |
| 21                                                  | Not Available | — | Serial No. Label                          | —    |          |               |   |                |      |
| 22                                                  | VSP7530PB678B | J | Speaker, x2                               | AL   |          |               |   |                |      |
| 24                                                  | XEBN930P14000 | J | Screw, x5                                 | AA   |          |               |   |                |      |
| 25                                                  | XHBS830P10000 | S | Screw, x1                                 | AA   |          |               |   |                |      |
| 26                                                  | XHPS730P08WS0 | J | Screw, x4                                 | AA   |          |               |   |                |      |
| 27                                                  | XEBN30P08000  | J | Screw, x15                                | AA   |          |               |   |                |      |
| 29                                                  | TLABSA029WJZZ | J | GOST Label<br>(LC-13SH1E(R))              | AF   |          |               |   |                |      |

# CABINET AND MECHANICAL PARTS



| Ref. No.                                            | Part No.      | ★ | Description                               | Code | Ref. No. | Part No.      | ★ | Description                  | Code |
|-----------------------------------------------------|---------------|---|-------------------------------------------|------|----------|---------------|---|------------------------------|------|
| <b>CABINET AND MECHANICAL PARTS<br/>(LC-15SH1E)</b> |               |   |                                           |      | 29       | TLABSA029WJZZ | J | GOST Label<br>(LC-15SH1E(R)) | AF   |
|                                                     |               |   |                                           |      | 30       | RCORFA032WJZZ | J | Ferrite Core                 | AK   |
|                                                     |               |   |                                           |      | 31       | RCORF0103CEZZ | J | Ferrite Core                 | AK   |
|                                                     |               |   |                                           |      | 32       | PSPAZA677WJZZ |   | Spacer, x1                   |      |
|                                                     |               |   |                                           |      | 33       | LHLDW1033CEKZ | J | Wire Holder                  | AA   |
|                                                     |               |   |                                           |      | 34       | PSLDMA694WJZZ |   | Shield                       |      |
| 1                                                   | CCABAA754WJ01 |   | Cabinet A Ass'y                           |      |          |               |   |                              |      |
| 1-1                                                 | Not Available | — | Cabinet A                                 | —    |          |               |   |                              |      |
| 1-2                                                 | HDECQA452WJSA |   | R/C, LED Cover                            |      |          |               |   |                              |      |
| 1-3                                                 | HDECQA459WJSA |   | LED Cover                                 |      |          |               |   |                              |      |
| 1-4                                                 | HDECQA478WJSA |   | Leg Cover, x2                             |      |          |               |   |                              |      |
| 1-5                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                              |      |
| 2                                                   | CCABBA484WJ01 |   | Cabinet B Ass'y                           |      |          |               |   |                              |      |
| 2-1                                                 | Not Available | — | Cabinet B                                 | —    |          |               |   |                              |      |
| 2-2                                                 | GLEGGA042WJZZ |   | Rubber Leg, x2                            |      |          |               |   |                              |      |
| 2-3                                                 | LANGFA085WJFW | J | Kensington Angle                          | AC   |          |               |   |                              |      |
| 2-4                                                 | LANGTA158WJFW |   | Reinforcement Angle                       |      |          |               |   |                              |      |
| 2-5                                                 | PZETKA109WJZZ |   | Insulating Spacer                         |      |          |               |   |                              |      |
| 2-6                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                              |      |
| 3                                                   | CDAi-A153WJ01 |   | Stand Ass'y                               |      |          |               |   |                              |      |
| 3-1                                                 | CDAi-A153WJ02 |   | Stand Base Ass'y                          |      |          |               |   |                              |      |
| 3-1-1                                               | GDAi-A153WJSA |   | Stand Base                                |      |          |               |   |                              |      |
| 3-1-2                                               | GLEGGA041WJSA |   | Rubber Leg, x2                            |      |          |               |   |                              |      |
| 3-1-3                                               | PSPAZA083WJZZ | J | Spacer, x2                                | AB   |          |               |   |                              |      |
| 3-2                                                 | GCOVAB023WJSA |   | Stand Cover                               |      |          |               |   |                              |      |
| 3-3                                                 | XESSN40P10000 | J | Screw, x8                                 | AB   |          |               |   |                              |      |
| 4                                                   | CCOVAA976WJ01 | S | Top Cover Ass'y                           | AP   |          |               |   |                              |      |
| 4-1                                                 | Not Available | — | Top Cover                                 | —    |          |               |   |                              |      |
| 4-2                                                 | JBTA-A353WJSA |   | Operation Button                          |      |          |               |   |                              |      |
| 4-3                                                 | JBTA-A354WJSA |   | Power Button                              |      |          |               |   |                              |      |
| 4-4                                                 | MSPRCA014WJFW | J | Spring, for Power Button                  | AB   |          |               |   |                              |      |
| 4-5                                                 | XEBNS30P08000 | J | Screw, x1                                 | AA   |          |               |   |                              |      |
| 5                                                   | Not Available | — | 15" LCD Panel Unit Ass'y                  | —    |          |               |   |                              |      |
| 5-1                                                 | RLCDA024WJZZ  | J | 15" LCD Panel Unit                        | CT   |          |               |   |                              |      |
| 5-2                                                 | Not Available | — | Back Shield Ass'y                         | —    |          |               |   |                              |      |
| 5-2-1                                               | PSLDMA541WJFW |   | Back Shield                               |      |          |               |   |                              |      |
| 5-2-2                                               | LHLDZA425WJKZ | J | Lamp Holder-R(Bottom)                     | AF   |          |               |   |                              |      |
| 5-2-3                                               | LHLDZA426WJKZ | J | Lamp Holder-L(Bottom)                     | AF   |          |               |   |                              |      |
| 5-2-4                                               | PSHEPA228WJZZ | J | Reflection Sheet                          | AL   |          |               |   |                              |      |
| 5-2-5                                               | TCAUZA031WJZZ | J | Caution Label                             | AB   |          |               |   |                              |      |
| △ 5-3                                               | KLMP-A047WJZZ | J | Lamp Unit, x4                             | AV   |          |               |   |                              |      |
| 5-4                                                 | LHLDZA423WJKZ | J | Lamp Holder-L(Top)                        | AK   |          |               |   |                              |      |
| 5-5                                                 | LHLDZA424WJKZ | J | Lamp Holder-R(Top)                        | AH   |          |               |   |                              |      |
| 5-6                                                 | LX-BZA084WJF7 | J | Screw, x4                                 | AA   |          |               |   |                              |      |
| 5-7                                                 | PCOVUA046WJZZ | J | Diffusion Plate, x1                       | AV   |          |               |   |                              |      |
| 5-8                                                 | PSHEPA227WJZZ | J | Diffusion Sheet, x2                       | AK   |          |               |   |                              |      |
| 5-9                                                 | PSPAKA045WJZZ | J | Insulating Spacer                         | AB   |          |               |   |                              |      |
| 6                                                   | GCOVAA984WJKA | S | Bass-Conne Cover                          | AD   |          |               |   |                              |      |
| 7                                                   | LCHSMA146WJKA | S | Chassis Frame                             | AR   |          |               |   |                              |      |
| 8                                                   | LX-BZ3442CEF9 | J | Screw, x4                                 | AB   |          |               |   |                              |      |
| 9                                                   | PSPAZA640WJKZ | S | Spacer, x1                                | AL   |          |               |   |                              |      |
| 10                                                  | PSPAZA641WJKZ | S | Spacer, x1                                | AF   |          |               |   |                              |      |
| 11                                                  | PSPAZA642WJKZ | S | Spacer, x1                                | AH   |          |               |   |                              |      |
| 12                                                  | QCNW-D114WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 13                                                  | QCNW-D228WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 14                                                  | QCNW-D229WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 15                                                  | QCNW-D230WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 16                                                  | QCNW-D362WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 17                                                  | QCNW-D363WJQZ |   | Connecting Cord                           |      |          |               |   |                              |      |
| 18                                                  | QEARPA132WJFW |   | Grounding Part                            |      |          |               |   |                              |      |
| 19                                                  | TLABMB318WJZZ |   | Model Label<br>(LC-15SH1E/E(F)/E(K)/E(R)) |      |          |               |   |                              |      |
| 19                                                  | TLABMB474WJZZ |   | Model Label(LC-15SH1E(I))                 |      |          |               |   |                              |      |
| 20                                                  | TLABZA792WJZZ |   | EICTA Label                               |      |          |               |   |                              |      |
| 21                                                  | Not Available | — | Serial No. Label                          | —    |          |               |   |                              |      |
| 23                                                  | VSP1104PB038A | J | Speaker, x2                               | AK   |          |               |   |                              |      |
| 24                                                  | XEBS930P14000 | J | Screw, x5                                 | AA   |          |               |   |                              |      |
| 25                                                  | XHBS830P10000 | S | Screw, x1                                 | AA   |          |               |   |                              |      |
| 26                                                  | XHPS730P08WS0 | J | Screw, x4                                 | AA   |          |               |   |                              |      |
| 27                                                  | XEBNS30P08000 | J | Screw, x7                                 | AA   |          |               |   |                              |      |
| 28                                                  | XEBNS40P10000 | J | Screw, x8                                 | AB   |          |               |   |                              |      |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

## SUPPLIED ACCESSORIES

|      |               |   |                                                   |    |
|------|---------------|---|---------------------------------------------------|----|
| △ X1 | QACCBA016WJPZ | J | AC Cord (LC-15SH1E(K))                            | AR |
| △ X1 | QACCBA024WJPZ | J | AC Cord (LC-13SH1E(K))                            | AS |
| △ X1 | QACCKA006WJPZ | J | AC Cord (LC-15SH1E/E (F)/E(I)/E(R))               | AL |
| △ X1 | QACCZA019WJPZ | J | AC Cord (LC-13SH1E/E (F)/E(I)/E(R))               | AH |
| X2   | RRMCGA339WJSA |   | Wireless Remote Control                           |    |
| X3   | TiNS-B517WJN1 |   | Operation Manual                                  |    |
| X4   | TiNS-B634WJN1 |   | Instruction Book(LC-13SH1E/ E(F), LC-15SH1E(E(F)) |    |
| X5   | TiNS-B635WJN1 |   | Instruction Book(LC-13SH1E, LC-15SH1E)            |    |
| X6   | TiNS-B800WJZZ |   | Instruction Book(LC-13SH1E (R), LC-15SH1E(R))     |    |
| X7   | TGAN-1688CEN1 | J | Guarantee Card(LC-13SH1E (K), LC-15SH1E(K))       | AN |
| X8   | TGAN-A077WJZZ | J | Guarantee Card(LC-13SH1E (R), LC-15SH1E(R))       | AE |
| X9   | Not Available | — | "AA" Size Battery, x2                             | —  |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

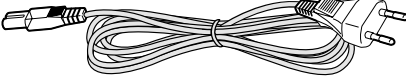
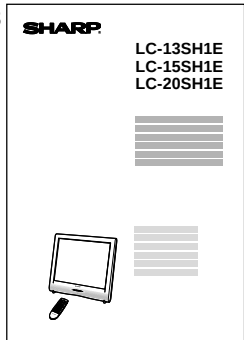
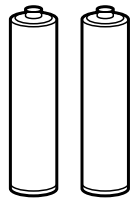
## PACKING PARTS (NOT REPLACEMENT ITEM)

|    |               |   |                                                   |   |
|----|---------------|---|---------------------------------------------------|---|
| S1 | SPAKCB717WJZZ | — | Packing Case(LC-15SH1E)                           | — |
| S1 | SPAKCB718WJZZ | — | Packing Case(LC-13SH1E)                           | — |
| S2 | SPAKPA465WJZZ | — | Wrapping Paper (LC-15SH1E)                        | — |
| S2 | SPAKPA466WJZZ | — | Wrapping Paper (LC-13SH1E)                        | — |
| S3 | SPAKXA655WJZZ | — | Buffer Material(LC-15SH1E)                        | — |
| S3 | SPAKXA656WJZZ | — | Buffer Material(LC-13SH1E)                        | — |
| S4 | SSAKAA010WJZZ | — | Polyethylene Bag,(E(I)/E(K)/ E(R)x1, E(F)x2, Ex3) | — |
| S5 | TLABKA002WJZZ | — | Carton Label                                      | — |
| S6 | TLABN0134BMZZ | — | SEES No. Label                                    | — |
| S7 | TLABSA029WJZZ | — | GOST Label (LC-13SH1E(R), LC-15SH1E(R))           | — |

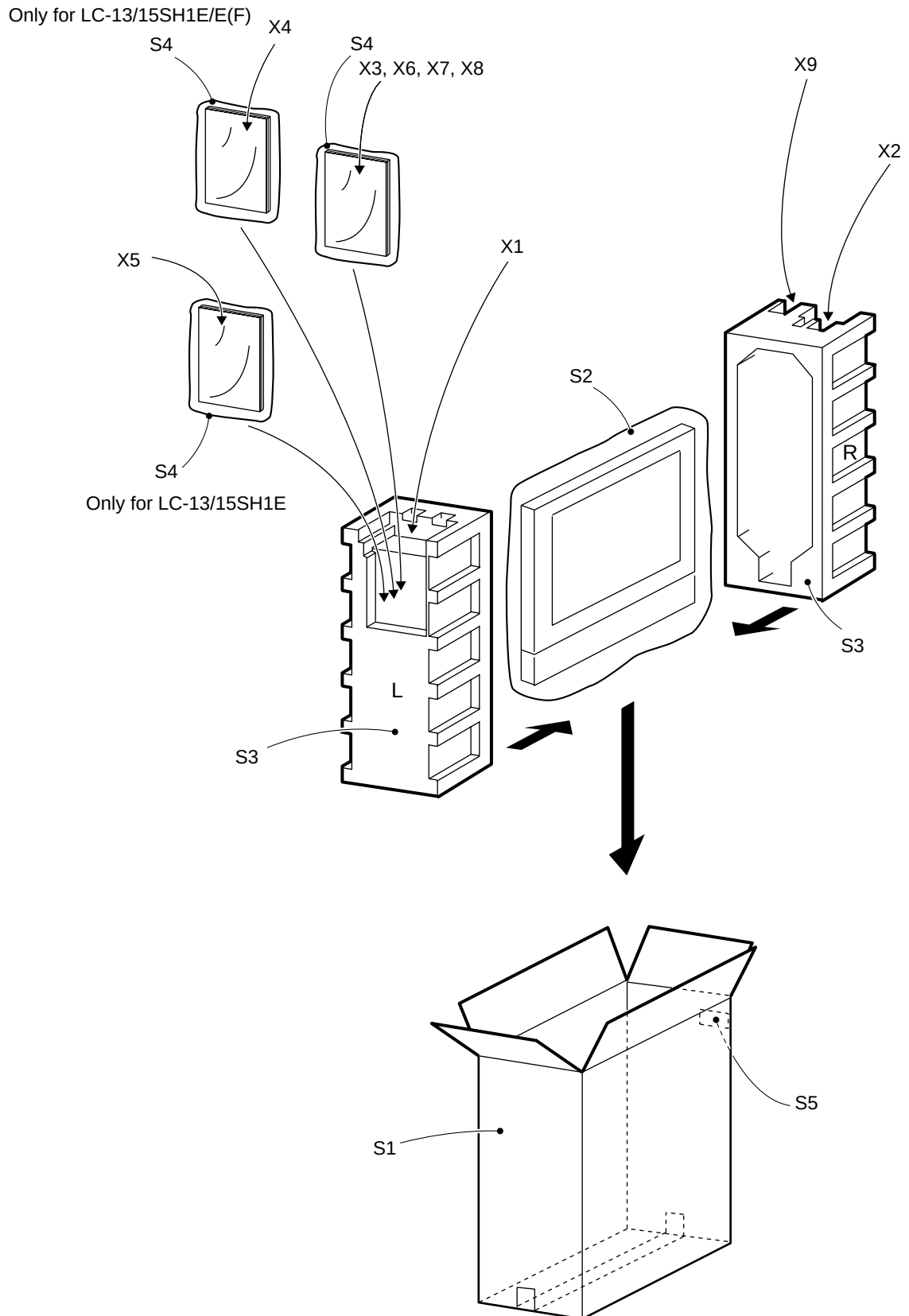
## SERVICE JIGS (USE FOR SERVICING)

|               |   |                                        |    |
|---------------|---|----------------------------------------|----|
| QCNW-A553WJZZ | J | Extension Cable, 30-pin (SC1203-LCD)   | BA |
| QCNW-A556WJZZ | J | Extension Cable, 50-pin (SC1202-LCD)   | AU |
| QCNW-A555WJZZ | J | Extension Cable, 20-pin (SC1201-LCD)   | AU |
| QCNW-D444WJZZ | J | Extension Cable, 5-pin (SC4201-SC105)  |    |
| QCNW-D445WJZZ | J | Extension Cable, 8-pin (SC4001-SC3601) |    |
| JiGiNF-001    | J | Parallel Part-IIC Interface Jig        |    |

## Supplied Accessories

| AC cord                                                                                                                                              | Wireless remote control                                                                       | Operation manual                                                                               | "AA" size batteries (×2)                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <p>X1</p>  <p>*Product shape may vary from country to country.</p> | <p>X2</p>  | <p>X3</p>  | <p>X9</p>  |

## PACKING OF THE SET



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|                                   |
|-----------------------------------|
| Design and Production Information |
|-----------------------------------|

|                   |
|-------------------|
| Design : Japan    |
| Production : SEES |

MI. KG

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